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USAAVLABS TECHNICAL REPORT 70-73

TLIGHT LOADS INVESTIGATION OF CH-54A HELICOPTERS
OPERATING IN SOUTHEAST ASIA

By F. Joseph Giessler John F. Mash Ronald I. Rockafellow

January 1971



# EUSTIS DIRECTORATE

# U. S. ARMY AIR MOBILITY RESEARCH AND DEVELOPMENT LABORATORY FORT EUSTIS, VIRGINIA

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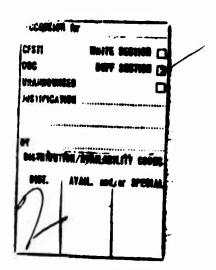
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This report has been reviewed by the Eustis Directorate, U.S. Army Air Mobility Research and Development Laboratory and is considered to be technically sound.

The data presented were acquired from oscillograph recorders installed on U.S. Army CH-54A "Skycrane" helicopters conducting heavy-lift operations in Southeast Asia. These data indicate the missions flown and the accelerations associated with the combat deployment of this aircraft.

The report is published as an aid in establishing mission profiles and attendant design criteria for future aircraft.

#### Task 1F162204A14607 Contract DAAJ02-68-C-0075 USAAVLABS Technical Report 70-73 January 1971

# FLIGHT LOADS INVESTIGATION OF CH-54A HELICOPTERS OPERATING IN SOUTHEAST ASIA

Final Report

Ву

F. Joseph Giessler John F. Nash Ronald I. Rockafellow

Prepared by

Technology Incorporated Dayton, Ohio

for

EUSTIS DIRECTORATE
U.S. ARMY AIR MOBILITY
RESEARCH AND DEVELOPMENT LABORATORY
FORT EUSTIS, VIRGINIA

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#### **ABSTRACT**

During a structural flight loads program on six CH-54A helicopters operating in the Vietnam theater, 1048 hours of 11-channel flight data were recorded between August 1968 and February 1970. To study the adequacy of a 200-hour data sample, as well as to derive appropriate environmental loads spectra, two sets of valid data, one representing 204 hours and the second 207 hours, were processed and analyzed according to four distinct flight phases, termed mission segments: (1) takeoff and ascent; (2) maneuver; (3) descent, flare, and landing; and (4) steady state. Data are presented in the form of time and occurrence tables, histograms, and exceedance curves. These data indicate the time spent in the mission segments and parameter ranges; the number of peak parameter values occurring in the ranges of the given parameter, during each of the mission segments, and in the ranges of one or more related parameters; and the time to reach or exceed given maneuver and gust normal load factors. The analysis of the two sets of data presentations revealed that the two samples differed little and compared closely in their distribution of the flight data.

#### FOREWORD

Technology Incorporated, Dayton, Ohio, prepared this report to cover its efforts on a flight loads data program to collect, process, and analyze a 400-hour sample of valid flight data obtained from six CH-54A helicopters operating in Southeast Asia. This program was sponsored by the U.S. Army Aviation Materiel Laboratories, Fort Eustis, Virginia, under Contract DAAJ02-68-C-0075, Task 1F162204A14607. The project monitor for the Army was Mr. William T. Alexander.

The prime Technology Incorporated personnel engaged in this program were as follows: Mr. Henry C. Pender, project engineer, who supervised the installation and operation of the data recording system; Messrs. John F. Nash and Ronald I. Rockafellow, who directed the data processing; Mr. William E. Morrin, who prepared the computer programming for the data processing; and Mr. F. Joseph Giessler, who assisted in the data presentation and compilation.

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### LIST OF SYMBOLS

Symbol		Computer Equivalent	
$c_T$	thrust coefficient	СТ	11
C <sub>T</sub> /z	thrust coefficient ratio	CT/S	
hd	density altitude, feet		•
$n_{\mathbf{x}}$	longitudinal load factor	NX	
<sup>n</sup> y	lateral load factor	NY	
n <sub>z</sub>	normal load factor	NZ	
OAT	outside air temperature, °F		
Pa	atmospheric static pressure, inches of mercury		
R	rotor radius, feet		
v	airspeed, feet per second or knots		
w	gross weight, pounds		
u	rotor tip speed ratio	MU	
7	ratio of circumference to diameter of circle		
ċ	local air density, pounds per cubic foot		
~	rotor solidity	S	
-	rotor angular velocity, radians per second		

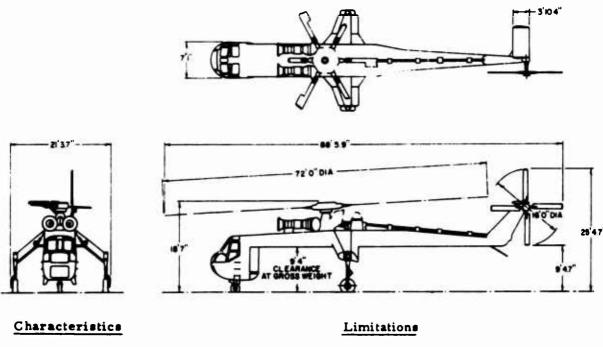
#### INTRODUCTION

For the continued Army study of helicopter operations, a multichannel flight loads program was conducted on six CH-54A helicopters flying assault support missions in the Vietnam theater from August 1968 to February 1970. During this period, 1048 hours of in-flight data were recorded for each of 11 time-related parameters. The chosen parameters were selected to reflect the structural loads along the three major axes in the light of several helicopter variables. As reported in References 1 through 6, similar multichannel data were previously collected in six programs on Army helicopters, specifically the UH-1B, CH-54A, CH-47A, and AH-1G models. Of these programs, three—one each for the UH-1B, CH-54A, and CH-47A—were conducted under training conditions in the U.S., and three—one for the armed and armored CH-47A model, one for the cargo CH-47A model, and one for the AH-1G model—were conducted under combat conditions in Vietnam.

Figure 1 illustrates the CH-54A helicopter which is designed to carry heavy, outsized payloads or special-purpose vans or pods from either a single-point or a four-point suspension system. The single-point suspension system features a 100-foot cable with an hydraulically operated hoist and electrically actuated hook. Loads can be raised or lowered at a rate of 50 feet per minute. Twenty thousand pounds can be carried with the winch locked at a selected cable length. The four-point system uses four 6,000-pound capacity hoists mounted at hard points on the side of the fuselage. Each hoist has 50 feet of cable and a damping device to isolate aircraft or load vibration. The crew consists of a pilot, a copilot, and an aft-facing hoist operator.

The oscillograph type of recording system measured the following 11 inflight variables: airspeed: altitude; normal, lateral, and longitudinal acceleration at the aircraft's center of gravity: outside air temperature; rotor rpm; collective pitch stick position: longitudinal cyclic pitch stick position; and each of two engine torques—all related in time. Additional information, called supplementary data, was extracted from "tally" sheets which the pilots filled in during flight. Supplementary data consisted of time, fuel, and cargo weight at takeoff and landing; base pressure and temperature at takeoff; mission type; and aircraft configuration. The data processing derived additional parameters: the instantaneous weight, the rotor tip speed ratio, and the ratio of the thrust coefficient to the rotor solidity. In addition, for the more meaningful interpretation of all parameters, the data for each flight were divided into four major phases, called mission segments: (1) takeoff and ascent; (2) maneuver; (3) descent, flare, and landing; and (4) steady state. Moreover, data

recorded during cargo pickups or drops while the aircraft were hovering were separated and grouped into "hoist," a subcategory of the steady-state mission segment.



Rotor diameter	72 ft
Rotor solidity	0.08649
Engines (two)	P&W JFTD-12A-4A
Des. max. gross weight	42, 000 lb
Empty weight	19, 234 lb

Normal rated power	*4000 shp
Takeoff power	*4500 shp
Usable power (continuous)	*4000 shp
Usable power/des. max.	-
gross weight	0.0953
Max. allowable airspeed	110 kn
*	each engine

Figure 1. Multiview Drawing of CH-54A Helicopter.

Whereas the five helicopter flight loads programs reported in References 1 through 5 were each designed to collect 200 hours of valid in-flight data, those for the AH-1G's, as reported in Reference 6, and the current CH-54A's were each intended to gather 400 hours of like data. Each of the 400-hour data samples was to be separated into two 200-hour data sets to make comparisons that would test the validity of 200 hours as an adequate data sample.

The objective of the CH-54A program, therefore, was twofold: (1) to present comprehensive flight loads data on the current operation of this helicopter model in the combat environment of Vietnam, and (2) to test again the validity of the 200 hours as an adequate data sample.

This report describes the installation and operation of the recording systems, details the data collection, defines the recorded and derived parameters, outlines the data processing and quality control, explains the data computations, and finally presents and analyzes the processed data. Both of the 200-hour sets of data were treated separately. The results for each set appear as histograms of the percentages of time within various parameter ranges; as "exceedance" curves, that is, curves of the number of flight hours required for a parameter to reach or exceed given levels; as tables of time distributed among the coincident ranges of two or more parameters; and as tables of peak frequencies in the coincident ranges of the peaking parameter and other variables.

#### DATA COLLECTION

#### AIRCRAFT INSTRUMENTATION

At the Southeast Asia facility of the Army's 273rd Assault Support Helicopter Company, an oscillographic system was initially installed in each of three CH-54A helicopters, identified by serial Nos. 68-18436, 66-18411, and 67-18421. Because of maintenance scheduling and combat loss, additional systems were installed in three more CH-54A's with serial Nos. 68-18437, 68-18443, and 67-18420. Except for serial No. 66-18411, whose operational problems prevented proper recorder functioning, valid data were acquired from each of these helicopters.

After each selected helicopter was equipped with the Class A provisions to accommodate its recording system, the components were installed as follows: a Century Model 409B oscillographic recorder to measure all 11 in-flight parameters and a Technology Incorporated Model 49776 bridge control unit to regulate the voltage signals from the various transducers were mounted on a shelf in the lower right equipment bay.

To derive airspeed, a Statham Model PM96TC±0. 5-350 (± 0.5 psid) pressure transducer was employed to measure the dynamic pressure. To derive pressure altitude, a Statham Model PA731TC-15-350 (0 to 15 psia) pressure transducer was employed to measure the absolute pressure. Both transducers were connected to the aircraft's pitot-static system.

For the three linear acceleration measurements, a B&F Model LF5-15-350 accelerometer was employed to sense the vertical acceleration; a B&F Model LF3-8-350 accelerometer to sense the longitudinal acceleration; and a Statham Model AJ17-3-350 accelerometer to sense the lateral acceleration. All accelerometers were mounted as close as possible to the helicopter's center of gravity.

A frequency-to-voltage converter and associated circuitry were incorporated in the recording system to measure the rotor rpm by sensing the frequency of the rotor tachometer generator.

A Minco Model S6B resistance thermal ribbon to measure the outside air temperature was installed on the outer skin under the cockpit area.

Two Lockheed Electronics Co. Model WR-8-15B position transducers were employed to sense the stick positions of the collective pitch and the longitudinal cyclic pitch controls. Both transducers were connected to each of the stick control tubes.

The engine torque was obtained from the output of the aircrast's torque generator. The torque from each engine was recorded separately.

The block diagram in Figure 2 illustrates the functional integration of the components making up the recording system.

#### OSCILLOGRAPHIC RECORDER

The Century Model 409B recorder with 14 data channels, each capable of recording a dynamic or a static parameter on a 3-5/8-inch-wide photosensitive paper, was employed in this program because of its inherent design to withstand severe shock and vibration and extreme environmental conditions. Eleven channels were used to record the in-flight variables. Of the remaining three channels, one was used to monitor the voltage supply, another was used to delineate a time pattern reflecting a 1-second cycling, and the last was used to trace a constant line for measurement reference.

The recording system operated from two types of power supplied by the helicopter: 110 v, 400 Hz ac, which after rectification was used in the special frequency-to-voltage circuit to measure the rotor rpm, and 28 vdc, which was used for all other operations. As manipulated by the pilot to record only in-flight data, a circuit breaker in the cockpit provided the means of controlling the recording system operation.

#### **DATA RECORDING**

During the period from August 1968 to February 1970, 1048.4 hours of in-flight data were recorded. For the desired two 200-hour data samples, 410.9 of these hours were processed and divided, for the most part chronologically, into 203.4 hours for Sample I and 207.5 hours for Sample II. Of the 410.9 hours, 351.2 were valid for all 11 parameters, and 59.7 were valid for all parameters except the 2 for engine torque. USAAVLABS had approved the use of the 59.7 hours. The distribution of the 351.2 hours is 182.6 in Sample I and 168.6 in Sample II, and that of the 59.7 hours is 20.8 in Sample I and 38.9 in Sample II.

Some of the discrepancies causing the invalidity of the recorded data were erratic trace deflection, no trace deflection, insufficient trace deflection, malfunction of the oscillogram drive motor, bad galvanometer, and no supplemental flight data. When developing the oscillogram and observing such discrepancies, the field technician was aware of the cause of most of the malfunctions and took remedial action as soon as possible. Occasionally, malfunctions in the helicopter system prevented the recording of the parameters intended to monitor the helicopter's operations, notably rotor rpm and engine torque.

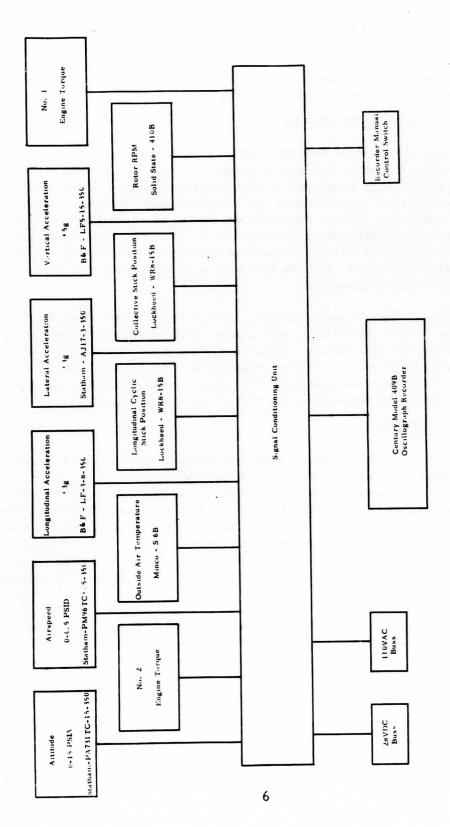


Figure 2. Block Diagram of CH-54A Instrumentation System.

During each flight the pilot logged the following information on a "tally" sheet: date, aircraft serial number, sortie number, task number, take-off and landing base pressure and temperature, takeoff and landing fuel, cargo weight, maximum indicated airspeed and rotor rpm, departure and arrival time, and total flight time and distance. Since the foregoing information provided the supplemental data needed to process the inflight data, the tally sheets, hereafter referred to as supplemental data sheets, were attached to the corresponding oscillograms.

#### DATA DEFINITIONS

#### RECORDED PARAMETERS

The 11 in-flight parameters recorded on the oscillograms against a time base were (1) altitude, (2) airspeed, (3) outside air temperature, (4) vertical acceleration, (5) lateral acceleration, (6) longitudinal acceleration, (7) rotor rpm, (8) No. 1 engine torque, (9) No. 2 engine torque, (10) longitudinal cyclic pitch control stick position, and (11) collective pitch control stick position. For each of these parameters, Table I lists the ranges selected to study the parameter relationships most practically and significantly.

With the assumption of a standard atmosphere prevailing during the data recording, the altitude and airspeed trace measurements proportional to the static pressure and the pitot-static pressure differential, respectively, were converted from pressure units to the conventional pressure altitude and indicated airspeed units. The outside air temperature was then used to convert the pressure altitude to the density altitude, the derived form of the altitude expressed in the final data. Of the remaining parameters, acceleration is represented as a load factor, engine torque as a percentage, and the control stick positions as percentages of full deflection with both the full-forward position of the cyclic pitch stick and the full-down position of the collective pitch stick being zero percent.

#### COMPUTED PARAMETERS

From the fuel and cargo at takeoff and landing, as logged on the supplemental data sheets, the gross weight was computed for the start and end of each flight. A constant rate of fuel consumption was assumed to obtain an average weight-loss rate which was used to compute the instantaneous gross weight. Weight changes because of cargo drops or pickups were introduced at the times noted on the supplemental data sheets.

For each data reading point, two derived parameters were added to the data bank: (1) the rotor tip speed ratio, and (2) the ratio of the thrust coefficient to the rotor solidity.

The rotor tip speed ratio, u, was computed by

$$u = \frac{V}{CR}$$

where

TABLE I. PARAMETER RANGES WITH CODE IDENTIFICATION

Mission Segments	Altitude (ft)	Indicated	Climb Rate (ft/min)
		Airspeed (knots)	1 < -2100
1 Ascent	1 < 1000		2 ≥ -2100 to < -1800
2 Maneuver	2 ≥ 1000 to < 2000	1 < 40	3 ≥ -1800 to < -1500
3 Descent	3 ≥ 2000 to < 5000	2 ≥ 40 to < 60	4 ≥ -1500 to < -1200
4 Steady State	4 ≥ 5000 to < 10000	3 ≥ 60 to < 65	5 ≥ -1200 to < - 900
	5 ≥ 10000 to < 15000 6 ≥ 15000	4 ≥ 65 to < 70	6 ≥ - 900 to < - 600
Tip Speed Ratio.	6 ≥ 15000	5 ≥ 70 to < 75	7 ≥ - 600 to < - 300
Tip Speed Radio.		6 ≥ 75 to < 80	8 ≥ - 300 to < 300
		7 ≥ 80 to < 85	9 ≥ 300 to < 600
1 < 0.0	Though Confliction	8 ≥ 85 to < 90	10 ≥ 600 to < 900
2 ≥ 0.00 to < 0.05	Thrust Coefficient,	9 ≥ 90 to < 95	11 ≥ 900 to < 1200
3 ≥ 0.05 to < 0.10	C <sub>T</sub> /1	10 ≥ 95 to < 100	12 ≥ 1200 to < 1500
4 ≥ 0.10 to < 0.15	1 < 0.06	11 ≥ 100 to < 105	13 ≥ 1500 to < 1800
5 ≥ 0.15 to < 0.20	2 ≥ 0.06 to < 0.09	12 ≥ 105 to < 110	14 ≥ 1800 to < 2100
6 ≥ 0.20 to < 0.25	3 ≥ 0.09 to < 0.12	13 ≥ 110 to < 115	15 ≥ 2100
7 ≥ 0.25 to < 0.30	4 ≥ 0.12 to < 0.15	14 ≥ 115 to < 120	
8 ≥ 0.30 to < 0.35	5 ≥ 0.15 to < 0.18	15 ≥ 120	Torque (psi)
9 ≥ 0.35	6 ≥ 0.18 to < 0.21		
	7 ≥ 0.21		1 < 10
			2 ≥ 10 to < 20
4.3		Weight (lb)	3 ≥ 20 to < 30
n <sub>z</sub> (g)	$n_x + n_y(g)$		4 ≥ 30 to < 40
1 - 0 3		1 < 21000	5 ≥ 40 to < 50 6 ≥ 50 to < 60
$1 < 0, 2 \\ 2 \ge 0, 2 \text{ to } < 0, 4$	1 < -0.40	2 ≥ 21000 to < 23000	
2 ≥ 0.2 to < 0.4 3 ≥ 0.4 to < 0.5	2 ≥ -0.40 to < -0.35	3 ≥ 23000 to < 25000	7 ≥ 60 to < 70 8 ≥ 70 to < 80
4 ≥ 0.5 to < 0.6	3 ≥ -0.35 to < -0.30	4 ≥ 25000 to < 27000	9 ≥ 80 to < 90
5 ≥ 0.6 to < 0.7	4 ≥ -0.30 to < -0.25	5 ≥ 27000 to < 29000	10 ≥ 90 to < 100
6 ≥ 0.7 to < 0.8	5 ≥ -0.25 to < -0.20	6 ≥ 29000 to < 31000	10 € 70 to < 100 11 ≩ 100 to < 110
7 ≥ 0.8 to < 1.2	6 ≥ -0.20 to < -0.15	7 ≥ 31000 to < 33000	12 ≥ 110 to < 120
8 ≥ 1.2 to < 1.3	7 ≥ -0.15 to < -0.10	8 ≥ 33000 to < 35000	13 ≥ 120 to < 130
9 ≥ 1.3 to < 1.4	8 ≥ -0.10 to < 0.10	9 ≥ 35000 to < 36000	14 > 130
10 ≥ 1, 4 to < 1, 5	9 ≥ 0.10 to < 0.15	10 ≥ 36000 to < 37000	
11 ≥ 1.5 to < 1.6	10 ≥ 0.15 to < 0.20	11 ≥ 37000 to < 38000	RPM
12 ≥ 1.6 to < 1.7	11 ≥ 0.20 to < 0.25	12 ≥ 38000 to < 39000	
13 ≥ 1.7 to < 1.8	12 ≥ 0.25 to < 0.30	13 ≥ 39000 to < 40000	1 < 180
14 ≥ 1.8 to < 2.0	13 ≥ 0.30 to < 0.35	14 ≥ 40000	2 ≥ 180 to < 185
15 ≥ 2.0 to < 2.2	14 ≥ 0.35 to < 0.40		3 ≥ 185 to < 190
16 ≥ 2.2 to < 2.4	15 ≥ 0.40		4 ≥ 190 to < 195
17 ≥ 2.4		•	5 ≥ 195 to < 200
			6 ≥ 200 to < 205
Outside Air			7 ≥ 205
Temperature (°F)	A/S Acceleration (ft/se	Collective or Cyclic	Collective or Cyclic
Temperature (		Steady Stick ("1)	Stick Peaks (%)
1 < 0.0	1 < -15		
2 ≥ 0.0 to < 10	2 ≥ -15 to < -12	1 < 10	1 < -40
3 ≥ 10 to < 20	3 ≥ -12 to < - 9	2 ≥ 10 to < 20	2 ≥ -40 to < -30
4 ≥ 20 to < 30	4 = - 9 to < - 6	3 ≥ 20 to < 30	3 ≥ -30 to < -20
5 ≥ 30 to < 40	5 ≥ - 6 to < - 3	4 ≥ 30 to < 40	4 ≥ -20 to < -10
6 ≥ 40 to < 50	6 ≥ - 3 to < 3	5 ≥ 40 to < 50	5 ₹ -10 to < 10
7 ≥ 50 to < 60	7 ≥ 3 to < 6	6 ≥ 50 to < 60 7 ≥ 60 to < 70	6 ≥ 10 to < 2v
8 > 60 to < 70	8 ≥ b to < 9		7 = 20 to < 30
9 ≥ 70 to < 80	9 ≥ 9 to < 12	8 ≥ 70 to < 80 9 ≥ 80 to < 90	8 ≥ 30 to < 40
10 ≥ 80 to < 90	10 ≥ 12 to < 15	10 ≥ 90	9 1 40
11 ≥ 90	11 ≥ 15	10 € 40	

V = airspeed, ft/sec

 $\Omega$  = rotor angular velocity, rad/sec

R = rotor radius, ft

And the ratio of thrust coefficient to the rotor solidity,  $C_T/\sigma$ , was computed by

$$C_{T}/\sigma = \frac{W}{\sigma^{\pi}R^{2} (\Omega R)^{2} \sigma}$$

where

C<sub>T</sub> = thrust coefficient

W = gross weight, lb (instantaneous)

o = air density at altitude, slugs/ft<sup>3</sup>

g = rotor solidity

#### MISSION SEGMENTS

For the more meaningful analysis of the helicopter performance and loads, the data for each flight were separated into four mission segments: (1) takeoff and ascent; (2) maneuver; (3) descent, flare, and landing; and (4) steady state. As the transient, or unsteady, regimes of flight, the first three segments were distinguished from the steady-state segment by the variation in the stick position, airspeed, and altitude traces. The segments were identified and defined as follows: Mission Segment 1 (takeoff and ascent) included both the takeoff and climb to the initial cruise altitude and all unsteady ascents to other altitudes. Mission Segment 2 (maneuver) included all those altitude changes not appearing in Segments 1 or 3. Mission Segment 3 (descent, flare, and landing) included the unsteady part of flare and landing and all other unsteady descents. Mission Segment 4 (steady state) included cruise, hover, steady ascent (after the initial climb), and steady descent. Flare and landing initiated from hover was included in Mission Segment 4. Steady-state flight regimes were evidenced by minimal fluctuations of the stick position traces about mean values and the constancy or smooth change of the airspeed and altitude traces. To study the accelerations encountered during either a cargo pickup or a cargo drop while the aircrast were hovering, the data covering these operations were separated and grouped into "hoist," a subcategory of the steady-state mission segment. The hoist data are reported separately in Tables VIII and XLIV, which give torque values, and in Tables XXVI, XXVII, LXII, and LXIII, which give maneuver n, peak distributions. All other tables for steady-state documentation include the hoist data.

#### DATA PROCESSING

#### DATA EDITING

Each oscillogram is examined by the data processing editors for evidence of any instrumentation anomaly such as a missing trace or improper sensitivity. Any record discovered as faulty is classified as malfunction data and is not processed. The editors then time all acceptable records and identify the bounds for the mission segments in each flight.

After demarcating the flights into mission segments, the editors marked the traces to govern the data reading. The normal acceleration trace was marked wherever a peak met the following two conditions: (1) the peak fell outside prescribed threshold levels (± 0.2g about the 1.0g mean), and (2) the peak had a rise and fall (or fall and rise) that were each 50 percent of the peak value or 0.2g, whichever was greater. Although the prescribed thresholds were 0.8 and 1.2g, the editors used levels of 0.84 and 1.16g to ensure the inclusion of all valid peaks. However, any of the peaks read within the fixed threshold levels of 0.8 and 1.2g were eliminated during the computer processing. In addition, the editors identified each selected peak as being maneuver- or gust-induced. To determine whether a peak was induced by a maneuver or a gust, the editors noted the behavior of the stick position traces. Whenever the peak was the result of maneuvering, one or both of the stick traces would always deflect just before and in the same sense as the peak. Ascertaining the gust-induced peaks required either that both stick position traces be steady or that any movement of these traces just before the peak be in the sense opposite that of the peak.

The editors marked primary peaks on the lateral and longitudinal acceleration traces wherever they deflected outside the prescribed threshold of  $\pm$  0. lg. These peaks were not identified as being maneuver- or gustinduced. As before, to ensure inclusion of all valid peaks, the editors used levels of  $\pm$  0.097g instead of the  $\pm$  0. lg. Again, however, any peaks read within the prescribed threshold of  $\pm$  0. lg were eliminated during the computer processing.

In treating the two stick position traces, the editors marked those peaks whose rise or fall was 10 percent of the full stick travel and at least 10 percent from the normal value. Each normal value depended on the mission segment. For the steady-state mission segment, the normal values were the steady values of the stick positions just before and after the peak. For the three transient mission segments (where no "steady" stick positions prevailed), an arbitrary set of normal values was chosen to approximate the stick positions during hover. The selected values are listed by aircraft serial number in Table II.

TABLE II. CONTROL STICK NORMAL VALUES USED DURING TRANSIENT MISSION SEGMENTS

Aircraft Serial No.	Longitudinal Cyclic Normal	Collective Normal 
68-18436	68.8	49.4
68-18437	71.8	47.5
67-18421	60.5	57.6
68-18443	65.9	43,3
67-18420	62.2	50.4

In each of the three transient mission segments, all traces except those for the stick positions were marked when the acceleration or stick position traces peaked. During all mission segments, however, all traces except that for acceleration were marked at critical points to permit an adequate representation of the parameters. At the peaks of normal acceleration,  $n_z$ , the corresponding values of longitudinal acceleration,  $n_x$ , and lateral acceleration,  $n_y$ , were read. At the peaks of  $n_x$  and  $n_y$ , the corresponding values of  $n_z$  and cyclic stick position were read.

The peak values of the three linear accelerations were measured from normal positions of the respective traces. For both the vertical acceleration,  $n_z$ , and the lateral acceleration,  $n_y$ , the normal position was defined when the helicopter was at rest. For the longitudinal acceleration,  $n_x$ , the normal position was defined when the helicopter cruised at a 90-knot airspeed. The positive sense of the longitudinal load factor,  $n_x$ , is acceleration forward, and the positive sense of the lateral load factor,  $n_y$ , is acceleration to the right.

#### DATA READING AND QUALITY CONTROL

All data points selected during the editing were measured on semiauto-matic oscillogram readers which transcribed the measurements directly to punched cards. When all data were extracted from a flight, a printout of the cards was given to the Quality Control Section for preliminary data checking. Using standard quality control techniques, this section manually remeasured random points comprising an adequate sample and compared the measurements with those produced by the semiautomatic readers. The differences between the two sets of readings were used to establish the mean and standard deviations as a control of the desired reading accuracy. The flights whose measurements did not meet the established accuracy standard were reread by the semiautomatic readers.

In addition to obtaining accurate values, this procedure ensured a uniform interpretation and measurement of the traces.

When all data had been processed, the mean and standard deviations were calculated for the entire data sample. Assuming a normal distribution of reading errors, 99.7 percent of the readings should be within three standard deviations of the true values. Based on average calibration values, Table III shows the three standard deviations for each parameter.

TABLE III. DATA READING VARIATIONS BY PARAMETER

Parameter	37 Variation (99.7% confidence limit)
Altitude	± 182 ft (at 1000 ft)
Airspeed	$\pm$ 1.88 kt (at 120 kt)
$n_{\mathbf{X}}$	$\pm$ 0.033g
ny	$\pm$ 0.035g
$n_{\mathbf{Z}}$	$\pm 0.029g$
OAT	± 1.38° F
Rotor rpm	± 7.3 rpm
Engine Torque l	± 9.7%
Engine Torque 2	± 10.5%
Collective Pitch	± 2.8%
Cyclic Pitch	± 3.0%

Of the 410 hours of valid data processed for this program, 131 hours were edited and read by the U.S. Army Aviation Materiel Laboratories, Fort Eustis, Virginia, and the remainder were edited and read by Technology Incorporated. The procedures followed by both organizations were identical with the exception of the reading increment. The Fort Eustis data was read with an increment of 100 counts per inch and the Technology Incorporated data was read at 200 counts per inch.

#### **DATA COMPUTATIONS**

The load factor,  $n_Z$ , for each normal acceleration peak was measured directly from the oscillogram trace. However, to present load factors for positive and negative peaks conveniently, an incremental normal load factor,  $n_Z$ , was derived from each  $n_Z$  value by using the relationship

$$\Delta n_z = n_z - 1.0$$

The following equation (see Reference 6) was used to compute density altitude, since this parameter is normally used in describing helicopter performance:

$$h_d = 145,300 \left[ 1 - \left( \frac{518.4 P_a}{29.92 (OAT + 460)} \right)^{0.235} \right]$$

Since the instrument installation correction to derive the calibrated airspeed was judged to be negligible, only indicated airspeeds were considered. Rotor rpm and outside air temperature were computed by applying
linear calibrations to the trace measurements. With the displacements of
the stick position traces representing the deflections of the longitudinal
cyclic stick from the full-forward position and the deflections of the collective stick from the full-down position, the respective stick positions
were computed from the trace measurements in units of percent of full
deflection. By an approximate differentiation of the altitude trace, the
rate of climb was computed continuously during each segment. At the
same time that the rate of climb was computed, the "longitudinal acceleration," or rate of change of airspeed, was derived by an approximate
differentiation of the airspeed trace.

#### DATA PRESENTATION

Some 400 hours of valid data were separated into two sets of about 200 hours each, identified as Sample I and Sample II, to test the adequacy of the 200-hour data sample. Sample I consists of 203 hours and Sample II of 207 hours. Most of the Sample I data was recorded before the Sample II data. Some of the data overlap chronologically because of the order of processing.

The data presented in this report consist of two types of figures and two types of tables. The figures are (1) histograms of the percentages of time within various parameter ranges and (2) plots of the time in hours to reach or exceed given levels of the incremental vertical load factor,  $\Delta n_z$ . For convenience, these plots have been called "exceedance curves." The two tabular types are (1) flight time distributed among the coincident ranges of two or more parameters and (2) the vertical acceleration peak frequencies distributed among the ranges of the vertical load factor,  $n_z$ , and the coincident ranges of other variables.

#### DISCUSSION OF FIGURES

The results from the two data samples are summarized in Figures 3 through 28. In each type of graphic representation, the graphs for Samples I and II are presented consecutively.

Figures 3 and 4 for Samples I and II, respectively, show the breakdown of flight time into the four mission segments. The similarity of the two samples is quite evident. The low percentage of maneuver time is due to the cargo operation of the CH-54A. The large amount of time spent in ascent and descent as compared with that in steady state is attributed to relatively short flights. In contrast, the data reported in Reference 2 for peacetime operation had 6.86% of flight time in ascent, 1.92% in maneuver, 12.6% in descent, and 78.62% in steady state.

Figures 5 and 6 present the time spent in each weight range broken down by mission segment. The distributions of the two samples are again quite similar. Whereas the lower weights have a larger percentage of time in descent, the higher weights show a larger percentage of time in ascent. With the time in each weight range broken down by mission segment, Figures 7 and 8 show a double-peaking distribution for gross weight: the lower peak is between 25,000 and 27,000 pounds and the higher peak is near 40,000 pounds. Thus the CH-54A in the reported program spent over 90% of the flight time either below 29,000 pounds or above 37,000 pounds. The maximum gross weight in Sample 1 was 44,009 pounds, and that in

Sample II was 42,963 pounds. Figures 9 and 10 present the rotor rpm distributions in each mission segment. In both samples more than 75% of the time was spent in the 185- to 195-rpm range. In Sample I, the maximum rpm of 198 occurred at 60 knots, 40,344 pounds, and 2486 feet; in Sample II, the maximum rpm of 203 occurred during a hover at 25,009 pounds and 2139 feet.

Figures 11 and 12 show the distribution of time in ranges of density altitude. Both samples show nearly the same distributions. Related to the altitude distribution is the distribution of outside air temperature shown in Figures 13 and 14. These again show similar distributions for each data sample. The rate-of-climb distributions shown in Figures 15 and 16 are again very similar for both data samples. The small increments of descent time in the ascent segment and the small increments of ascent time in the descent segment are due to short altitude corrections in either a generally ascending or descending part of a flight. These increments were not sufficiently long to warrant separate identification.

The torque range distributions in the mission segments are presented in Figures 17 and 18. Each engine torque is presented separately. Whereas the No. 1 torque distributions for both samples are generally uniform in the ranges, the No. 2 torque distribution for Sample II is slightly more concentrated in the mid-ranges.

Figures 19 and 20 distribute the flight time in airspeed ranges. The two samples are in good agreement. No airspeed over 120 knots was recorded.

Figures 21 through 24 represent the maneuver vertical acceleration peaks recorded during the program. The occurrence of these peaks is expressed as the hours to reach or exceed given values of the incremental value,  $\Delta n_z$ . Both positive and negative values are shown. In general, both samples indicate that all mission segments encountered similar peaks. As mentioned in the data processing section, the load peaks encountered during load pickups and drops were separated and grouped under hoist, a subcategory of the steady-state mission segment. Figures 21 and 22 show that all the load peaks above  $\Delta n_z = 0.5$  were recorded during hoist which accounted for only 0.26 and 0.23 hours in Samples I and II. respectively. The highest nz peak of 1.88g, which was recorded in the Sample I data, occurred during a hoist at a gross weight of 40, 100 pounds and an altitude of 1641 feet. Figures 23 and 24, which present the same data broken down by gross weight, show that the high values of  $\Delta n_z$  generally occurred at low gross weights. Figures 25 and 26 show the relationship between the maneuver incremental load factor peaks, Anz, and the tip speed ratio, u. All these figures indicate that the results from the two data samples compare very closely.

The composite gust vertical acceleration peaks are summarized in Figures 27 and 28. The gust data in Sample I is slightly more severe than that in Sample II; however, the general trend is the same.

#### DISCUSSION OF TABLES

All final computer printouts resulting from the processing of the 410 hours of valid data are presented in Tables IV through XXXIX for the Sample I data and in Tables XL through LXXV for the Sample II data. All times in these tables were rounded off to the nearest tenth of a minute. Therefore, the "TOTAL" time and the individual times in each table are accurate to within 0.05 minute. However, since the individual times comprising the respective totals were summed before the totals were rounded off, the sum of individual times may differ from the corresponding printed total time by some tenths of a minute. Any time between 0 and up to but not including 0.05 minute was printed as "0.0", and no time measured was printed as "0.". Tables having neither points nor time were not printed.

Table headings are arranged so that the first-mentioned variable refers to the horizontal ranges at the top of the table and the second-mentioned variable refers to the vertical ranges at the left of the table. Where a third or a fourth variable is given, it is followed by its range in the heading. As an example, the heading "MINUTES FOR ALTITUDE VS AIR-SPEED BY WEIGHT 6000 BY MISSION SEG. ASCENT" indicates the time spent in coincident ranges of altitude and airspeed at a weight between 6000 and 7000 pounds during the ascent mission segment. Note that all printed range values are the lower limits.

Tables IV through IX for Sample I and Tables XL through XLV for Sample II give the flight time recorded in the coincident ranges of the various variables. In the tables containing engine torque data, the total time is less than that reported for the other parameters, as explained above under Data Recording.

To analyze the stick position variations, Tables X through XXIII for Sample I and Tables XLVI through LIX for Sample II present the frequencies of stick position peaks in the coincident ranges of each of the two stick positions and other variables.

For the review of the normal accelerations encountered, Tables XXIV through XXVII for Sample I and Tables LX through LXIII for Sample II present the frequencies of both the maneuver and the gust normal acceleration peaks in the coincident ranges of incremental normal load factor and other variables.

Tables XXVIII through XXXIII for Sample I and Tables LXIV through LXIX for Sample II present the frequencies of the longitudinal and lateral acceleration peaks in the coincident ranges of the corresponding load factor and other variables.

Finally, for the correlation of the accelerations along each of the three major axes, Tables XXXIV through XXXIX for the Sample I data and Tables LXX through LXXV for the Sample II data present the peak frequencies of each type of acceleration in the coincident ranges of the given type of acceleration and of each of the other two types.

#### SUMMARY AND CONCLUSIONS

The CH-54A program produced twofold results: (1) a set of comprehensive loads and operational data defining the CH-54A performance in the combat environment of Vietnam, and (2) evidence that 200 hours of recorded data serves as a valid data sample. The resultant data may be used to determine the loading spectrum for cyclic load tests on helicopter structures as well as to conduct a parametric fatigue analysis and, thereby, project the safe life of each helicopter. The comparison of the histograms and exceedance curves for the first 203 hours of data (Sample I) and the second 207 hours (Sample II) indicates that the two data samples closely agree.

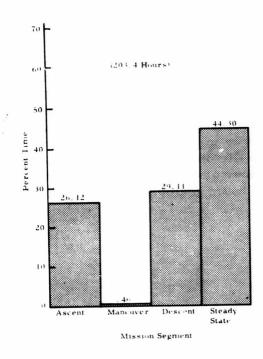


Figure 3. Percentage of Time in Each Mission Segment (Sample I).

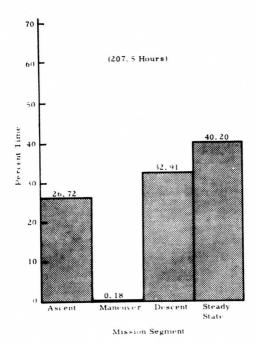


Figure 4. Percentage of Time in Each Mission Segment (Sample II).

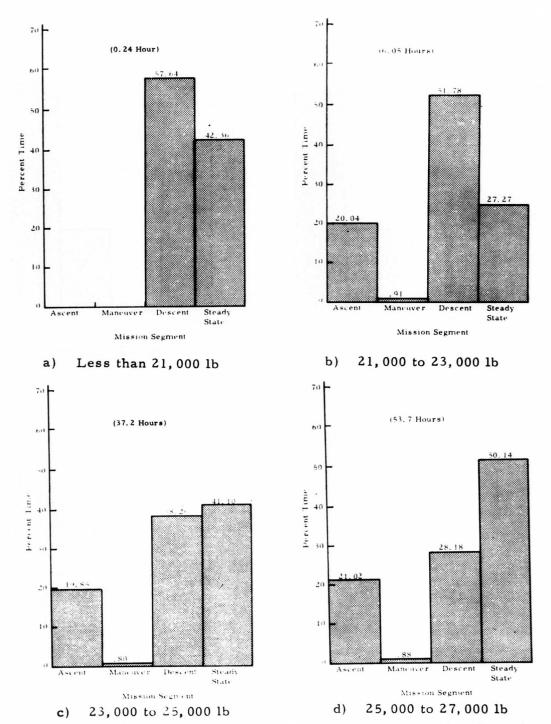


Figure 5. Flight Time in Each Gross Weight Range Broken Down by Percentage of Time in Each Mission Segment (Sample I).

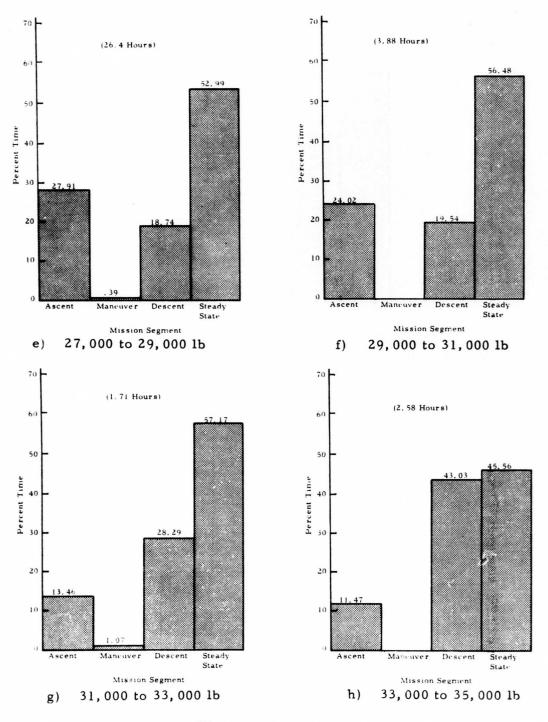


Figure 5 - Continued

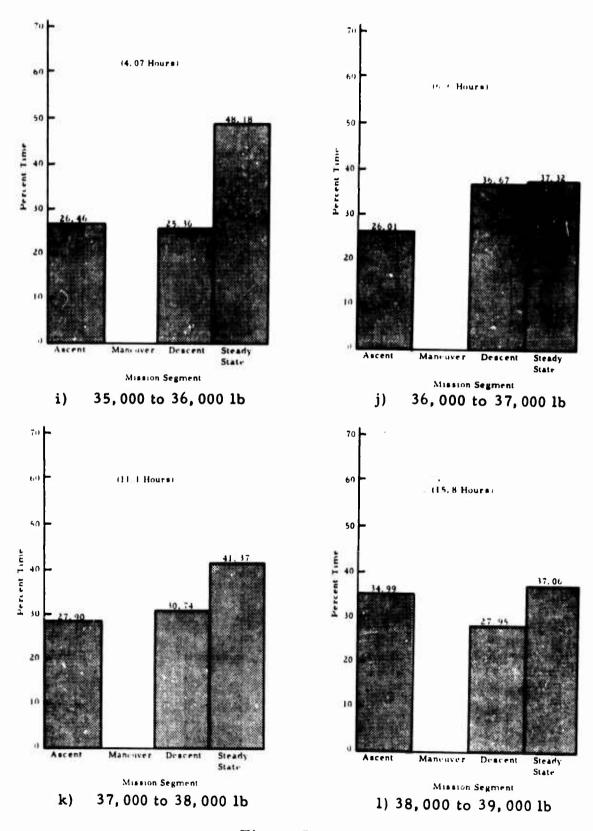


Figure 5 - Continued

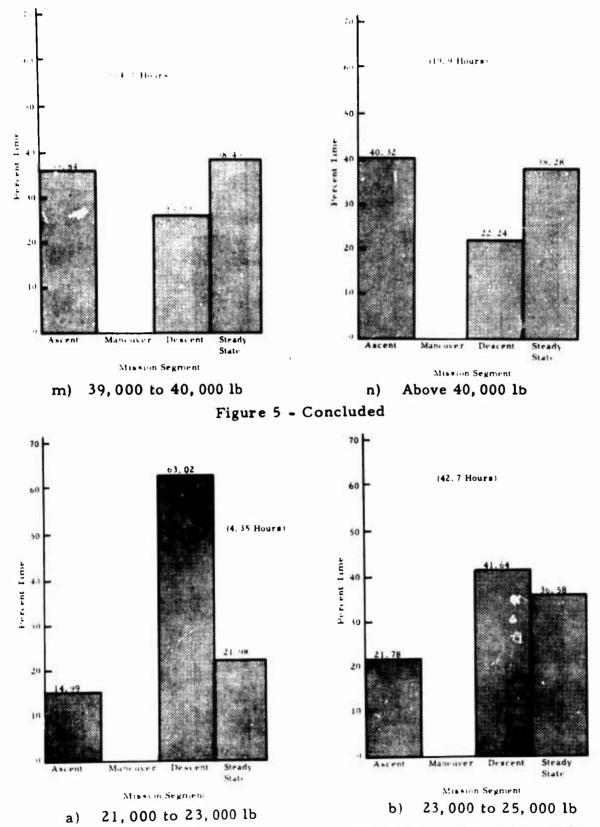


Figure 6. Flight Time in Each Gross Weight Range Broken Down by Percentage of Time in Each Mission Segment (Sample II).



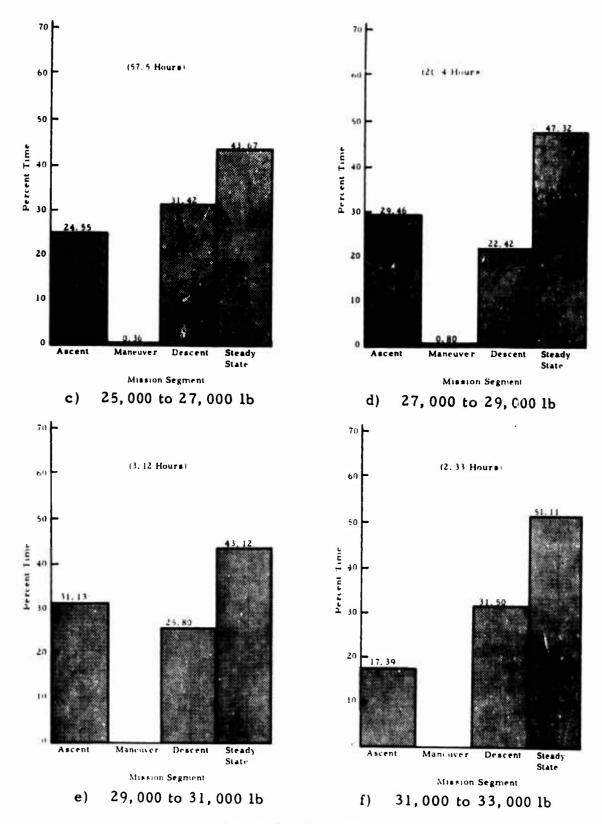


Figure 6 - Continued

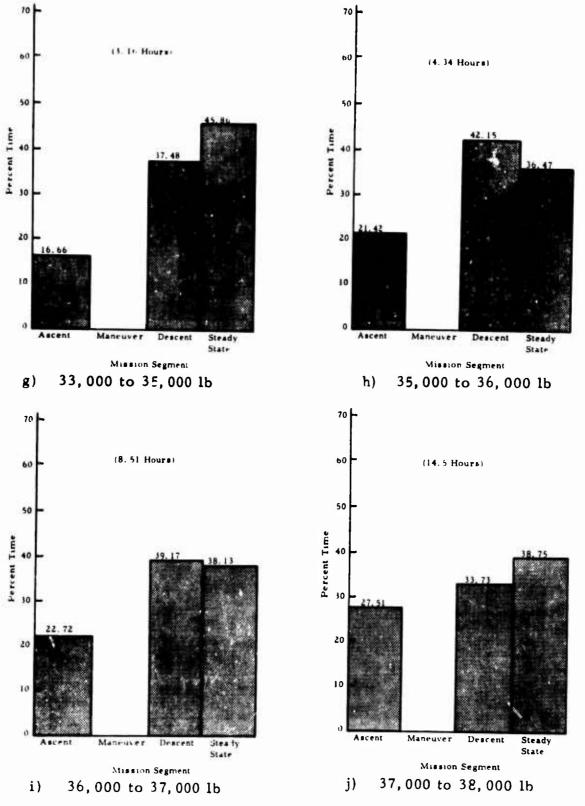
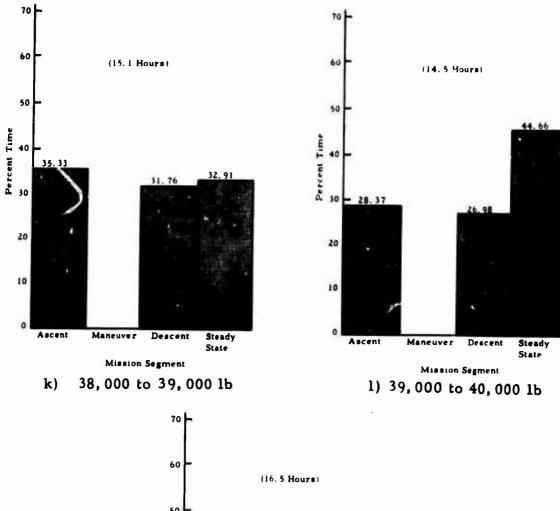
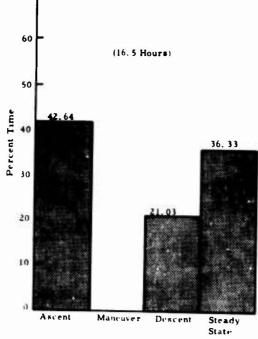


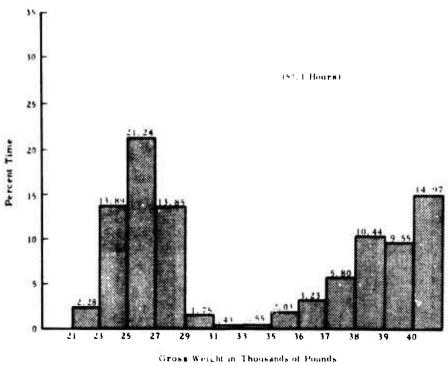
Figure 6 - Continued



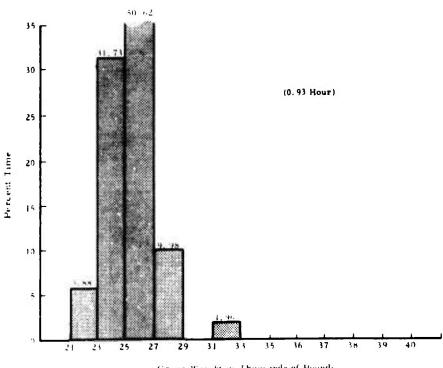


m) Above 40,000 lb

Figure 6 - Concluded



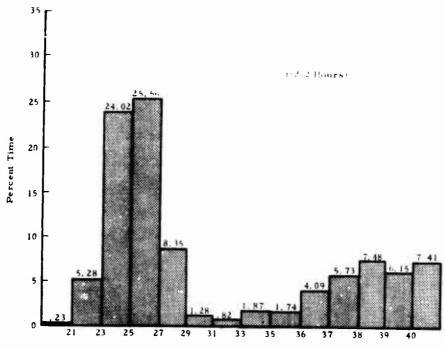
#### Ascent



Gross Weight in Thousands of Pounds

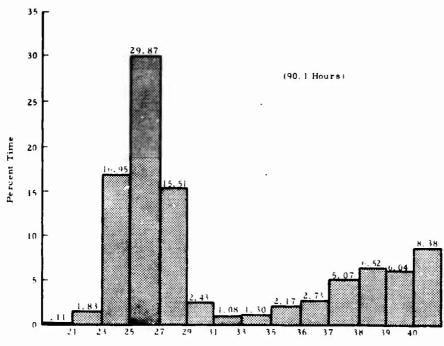
b) Maneuver

Figure 7. Flight Time in Each Mission Segment Broken Down by Percentage of Time in Each Gross Weight Range (Sample I).



Gross Weight in Thousands of Pounds

### c) Descent



Gross Weight in Thousands of Pounds

d) Steady State

Figure 7 - Concluded

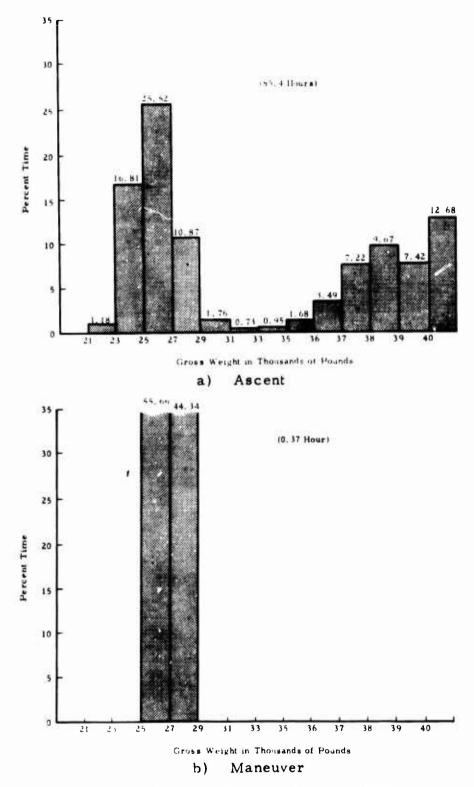
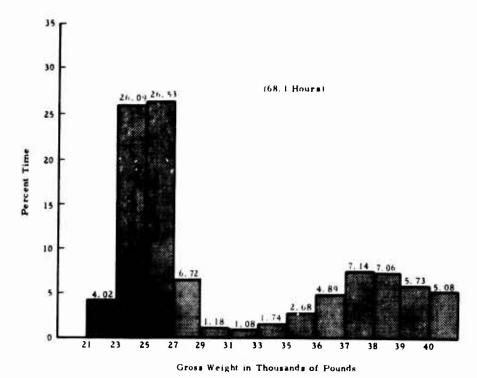
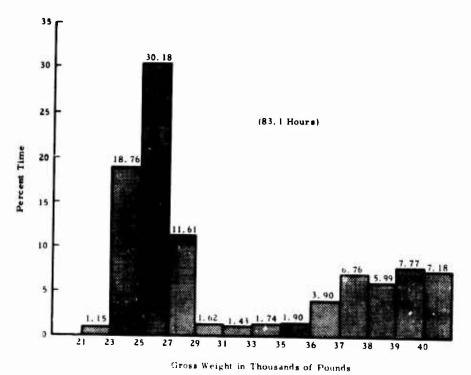


Figure 8. Flight Time in Each Mission Segment Broken Down by Percentage of Time in Each Gross Weight Range (Sample II).



c) Descent



d) Steady State

Figure 8 - Concluded

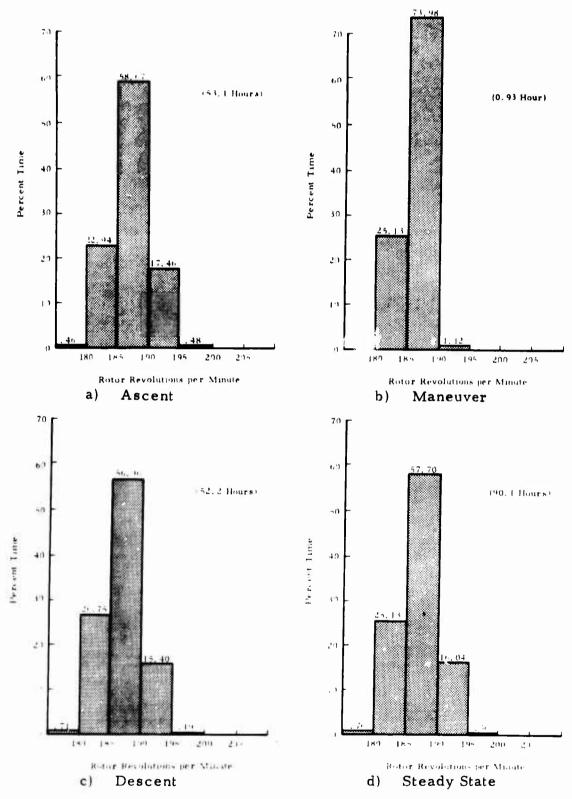


Figure 9. Flight Time in Each Mission Segment Broken Down by Percentage of Time in Each Rotor RPM Range (Sample I).

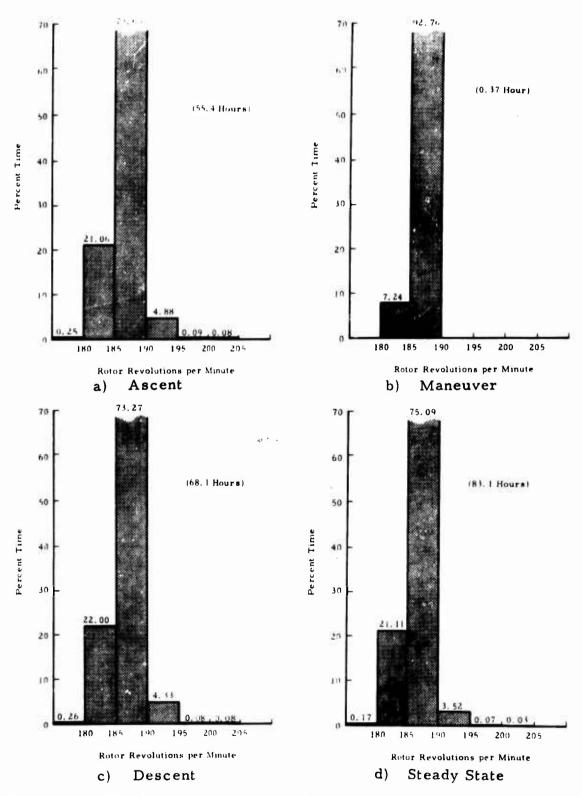


Figure 10. Flight Time in Each Mission Segment Broken Down by Percentage of Time in Each Rotor RPM Range (Sample II).

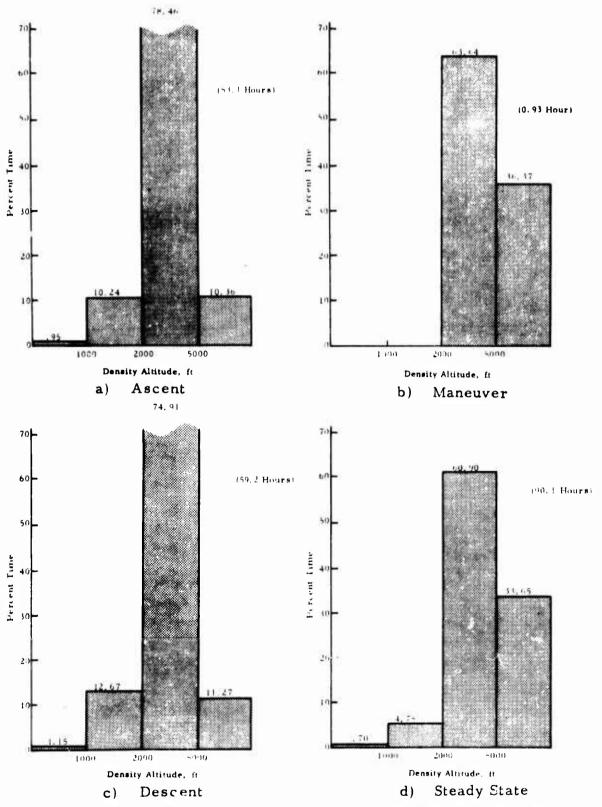


Figure 11. Flight Time in Each Mission Segment Broken Down by Percentage of Time in Each Altitude Range (Sample I).

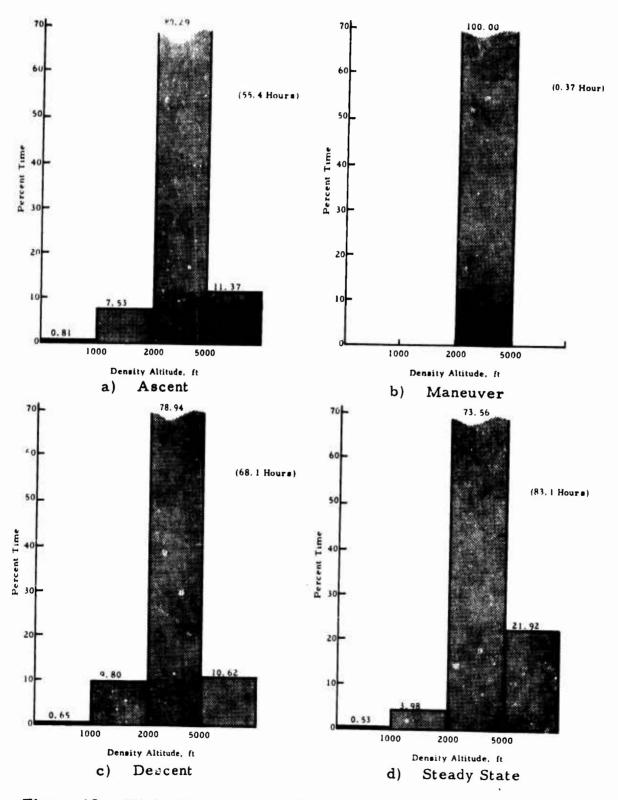


Figure 12. Flight Time in Each Mission Segment Broken Down by Percentage of Time in Each Altitude Range (Sample II).

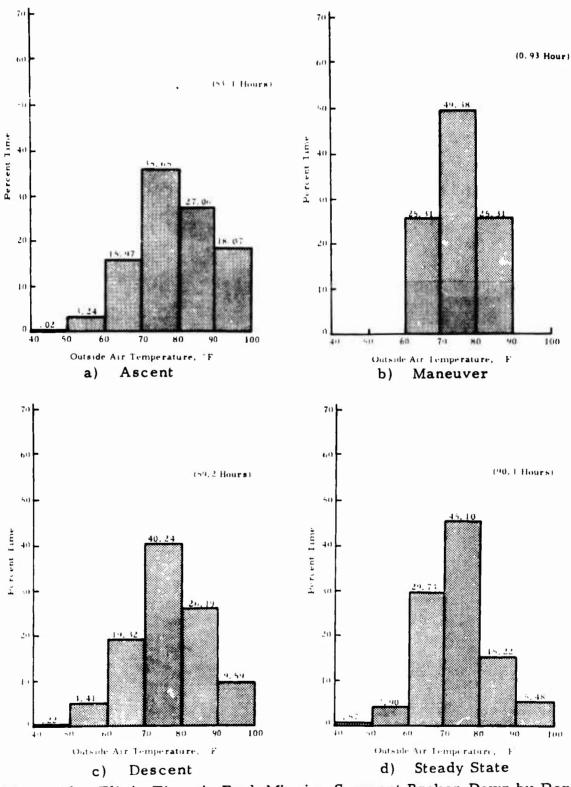


Figure 13. Flight Time in Each Mission Segment Broken Down by Percentage of Time in Each Outside Air Temperature Range (Sample I).

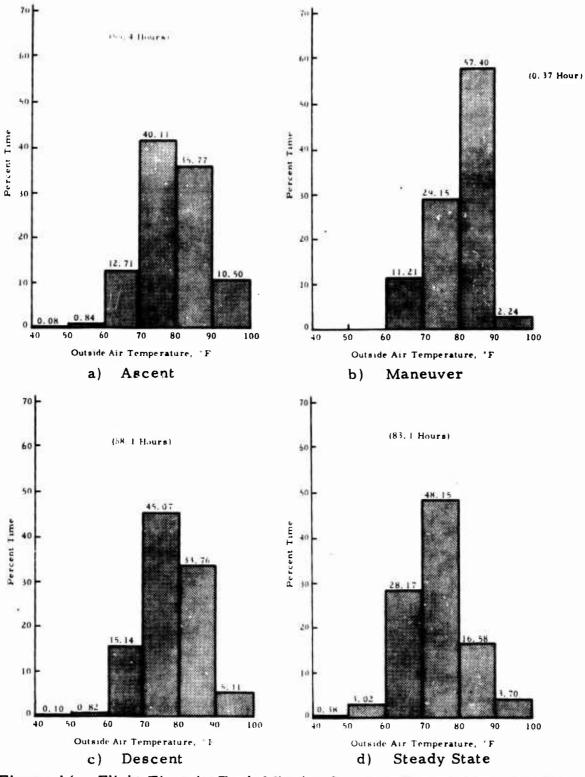


Figure 14. Flight Time in Each Mission Segment Broken Down by Percentage of Time in Each Outside Air Temperature Range (Sample II).

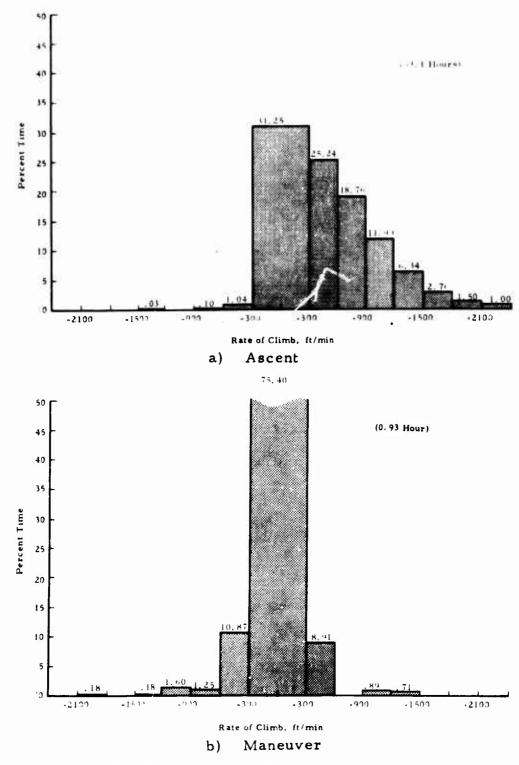
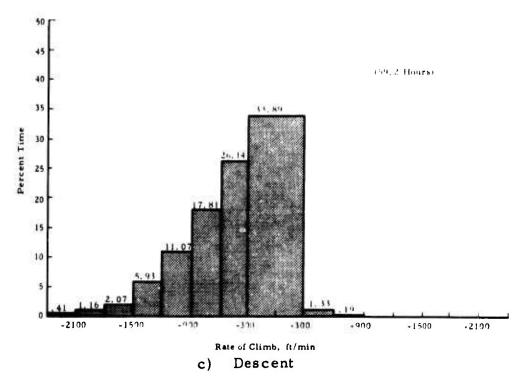


Figure 15. Flight Time in Each Mission Segment Broken Down by Percentage of Time in Each Rate-of-Climb Range (Sample I).



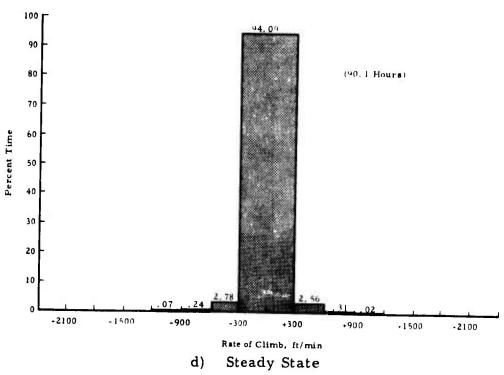


Figure 15 - Concluded

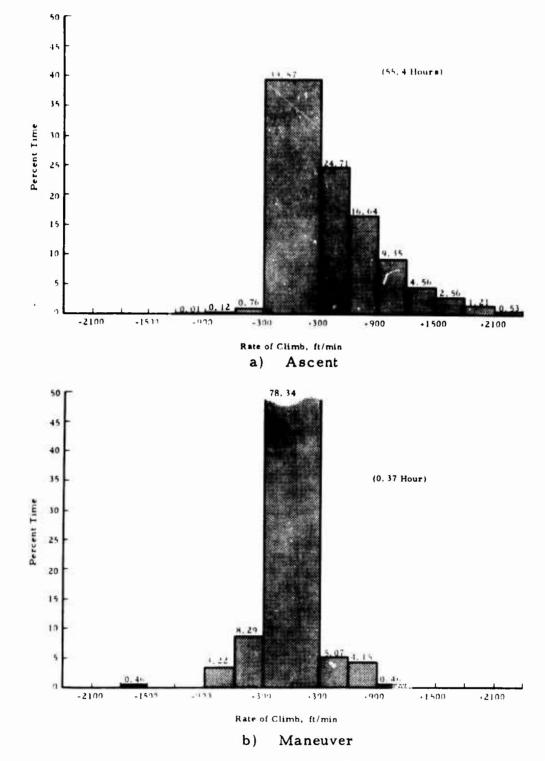
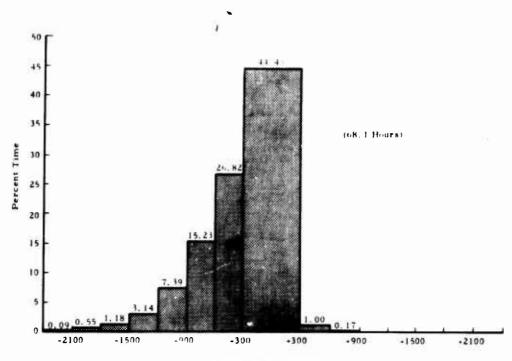
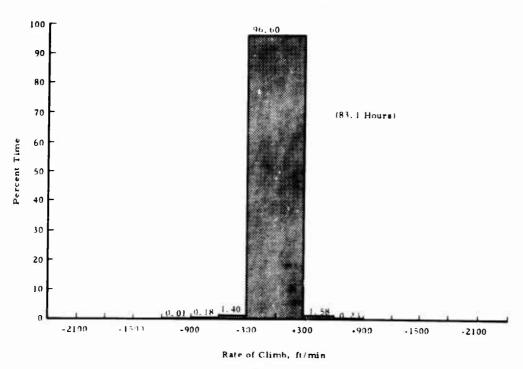


Figure 16. Flight Time in Each Mission Segment Broken Down by Percentage of Time in Each Rate-of-Climb Range (Sample II).



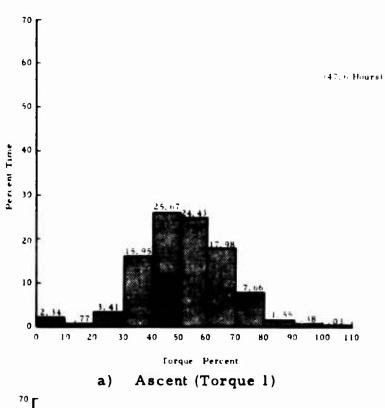
Rate of Climb, ft/min

#### c) Descent



d) Steady State

Figure 16 - Concluded



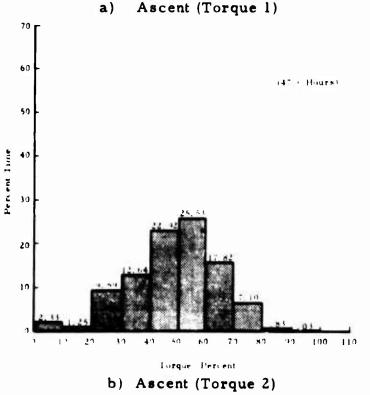
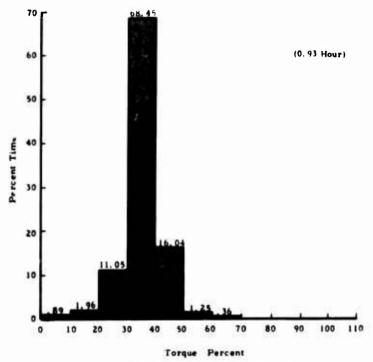
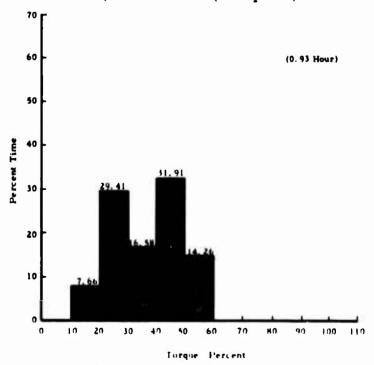


Figure 17. Flight Time in Each Mission Segment Broken Down by Percentage of Time in Each Engine Torque Range (Sample I).

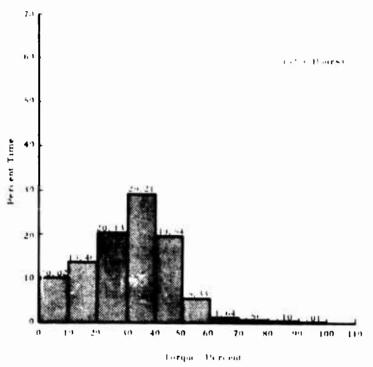






d) Maneuver (Torque 2)

Figure 17 - Continued



### e) Descent (Torque 1)

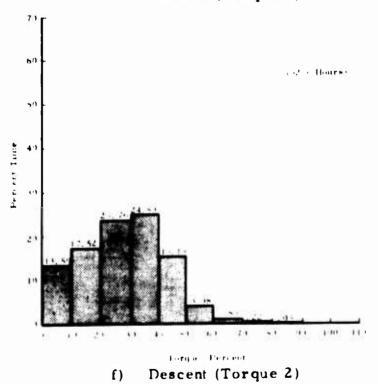
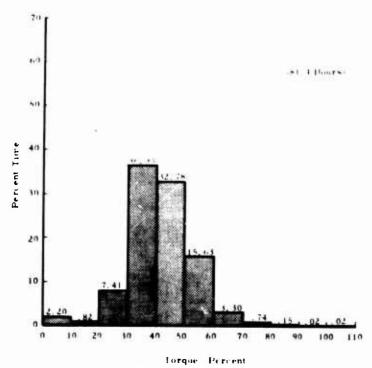
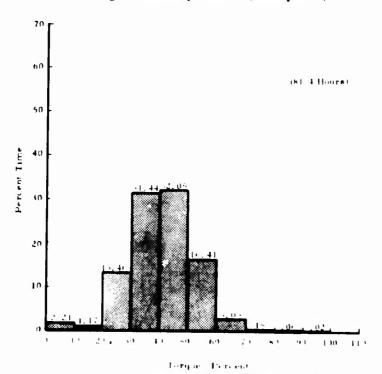


Figure 17 - Continued

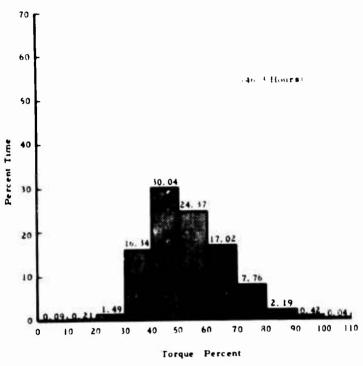


g) Steady State (Torque 1)



h) Steady State (Torque 2)

Figure 17 - Concluded



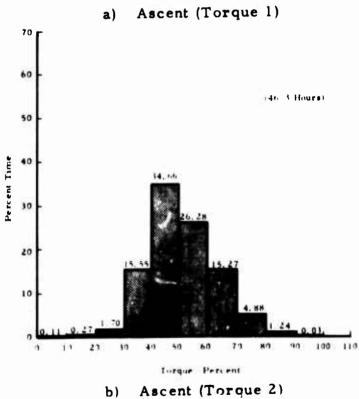
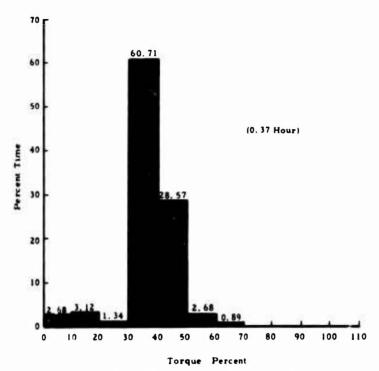
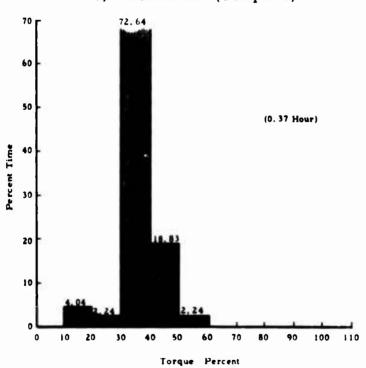


Figure 18. Flight Time in Each Mission Segment Broken Down by Percentage of Time in Each Engine Torque Range (Sample II).

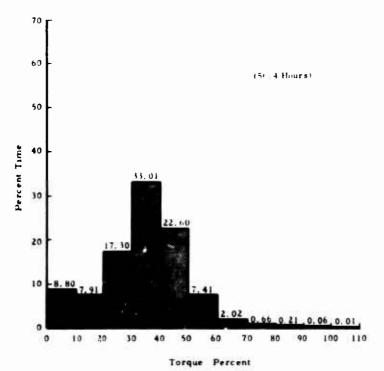


# c) Maneuver (Torque 1)

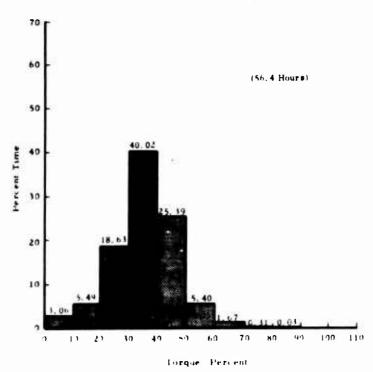


d) Maneuver (Torque 2)

Figure 18 - Continued

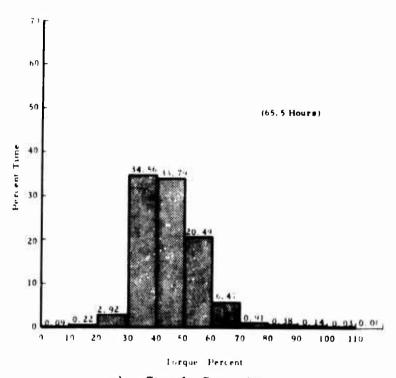


# e) Descent (Torque 1)

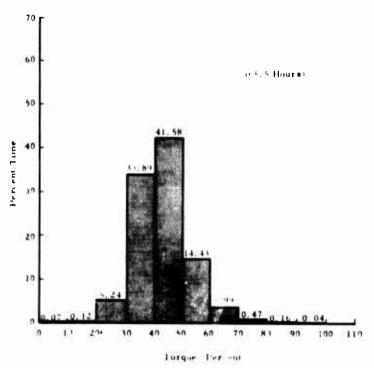


f) Descent (Torque 2)

Figure 18 - Continued



g) Steady State (Torque 1)



h) Steady State (Torque 2)

Figure 18 - Concluded

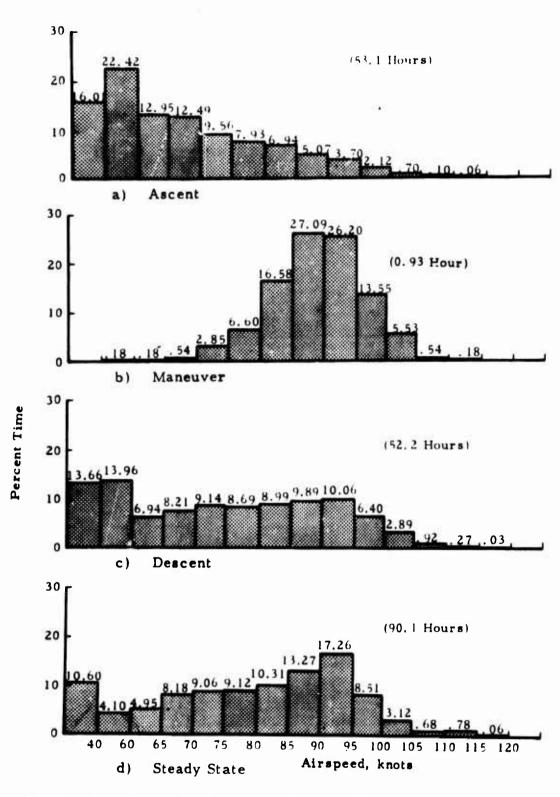


Figure 19. Flight Time in Each Mission Segment Broken Down by Percentage of Time in Each Airspeed Range (Sample I).

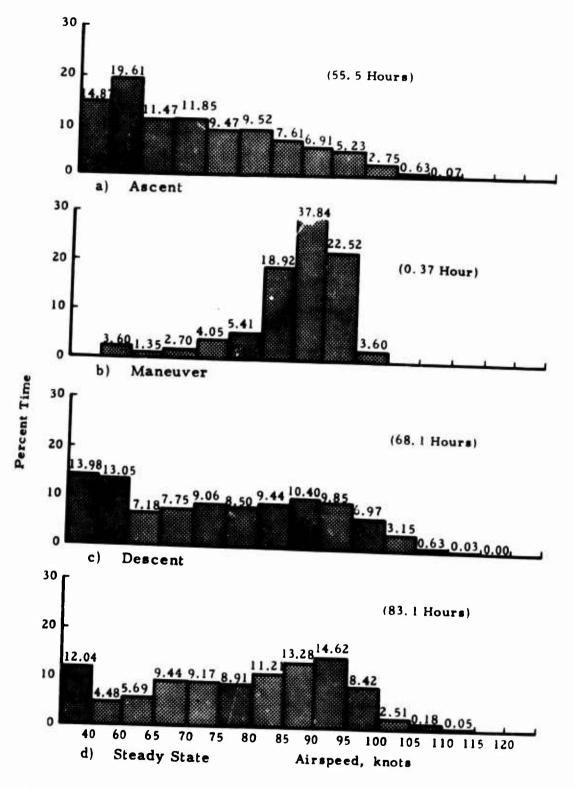


Figure 20. Flight Time in Each Mission Segment Broken Down by Percentage of Time in Each Airspeed Range (Sample II).

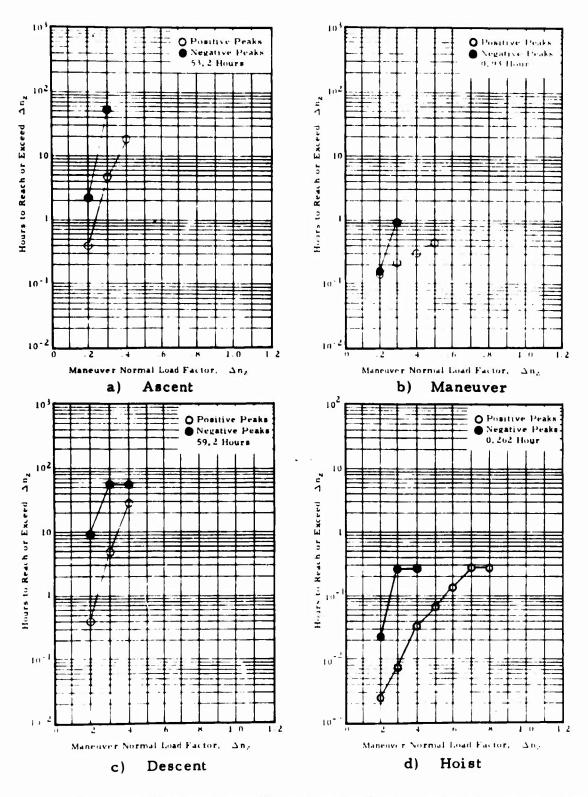


Figure 21. Exceedance Curves for Incremental Maneuver Normal Load Factor Peaks by Mission Segment (Sample I).

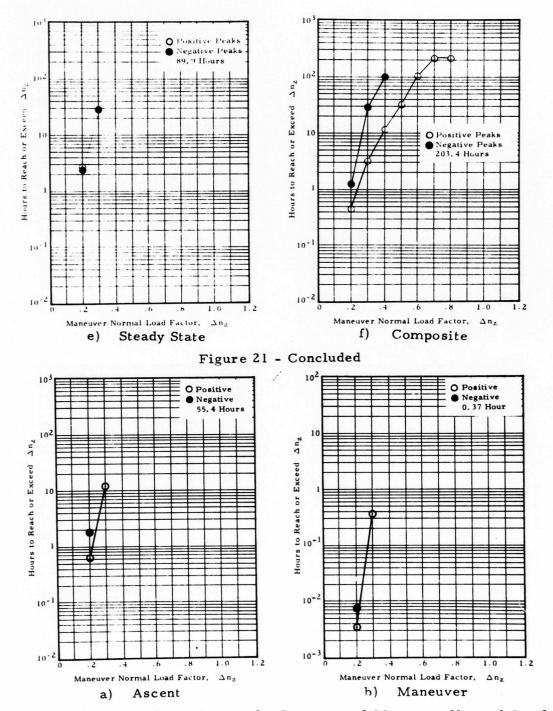


Figure 22. Exceedance Curves for Incremental Maneuver Normal Load Factor Peaks by Mission Segment (Sample II).

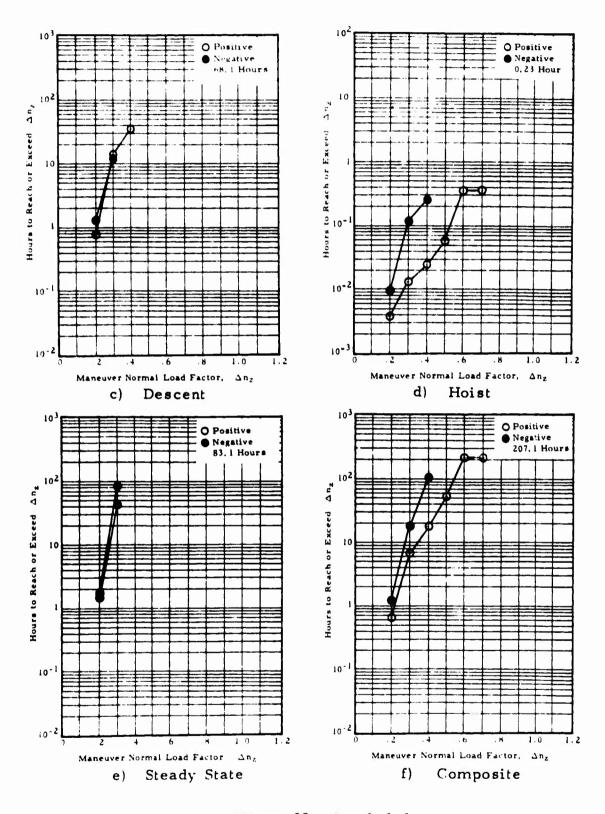


Figure 22 - Concluded

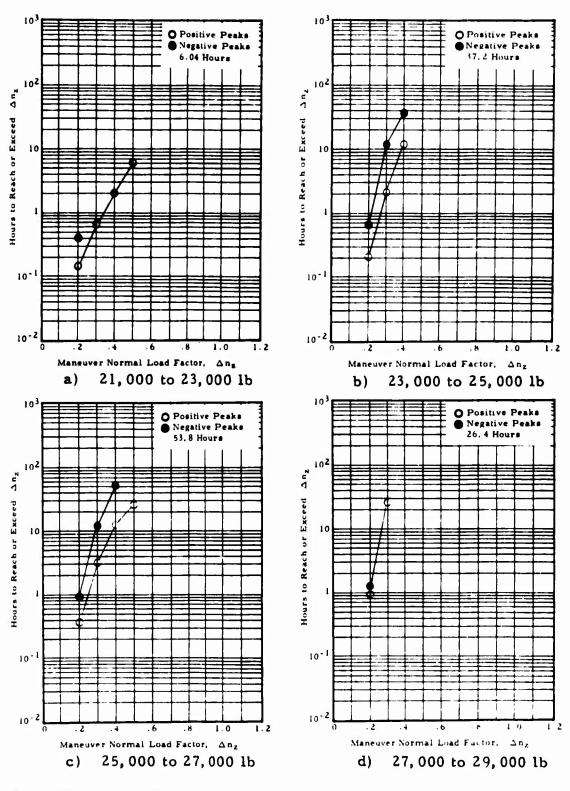


Figure 23. Exceedance Curves for Incremental Maneuver Normal Load Factor Peaks by Gross Weight Range (Sample I).

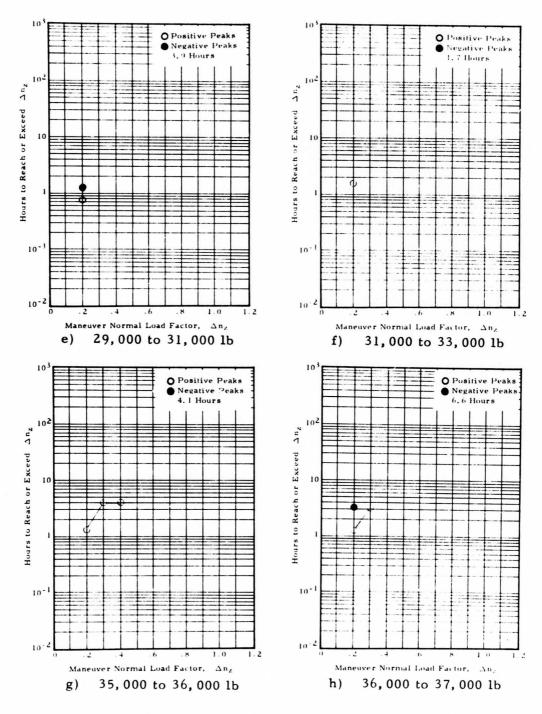


Figure 23 - Continued

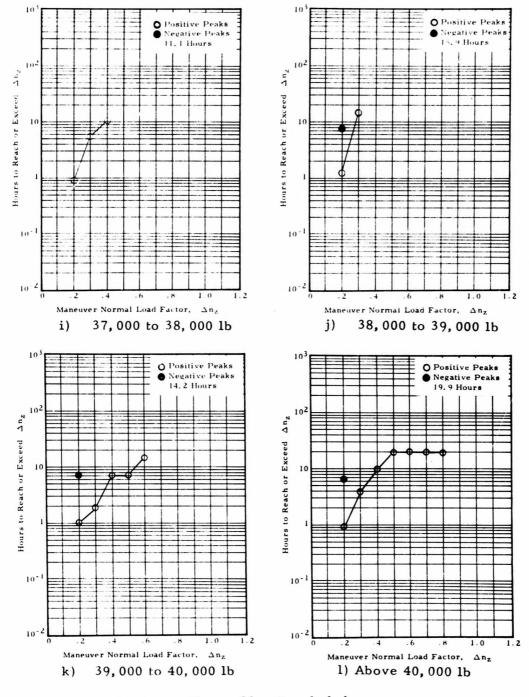


Figure 23 - Concluded

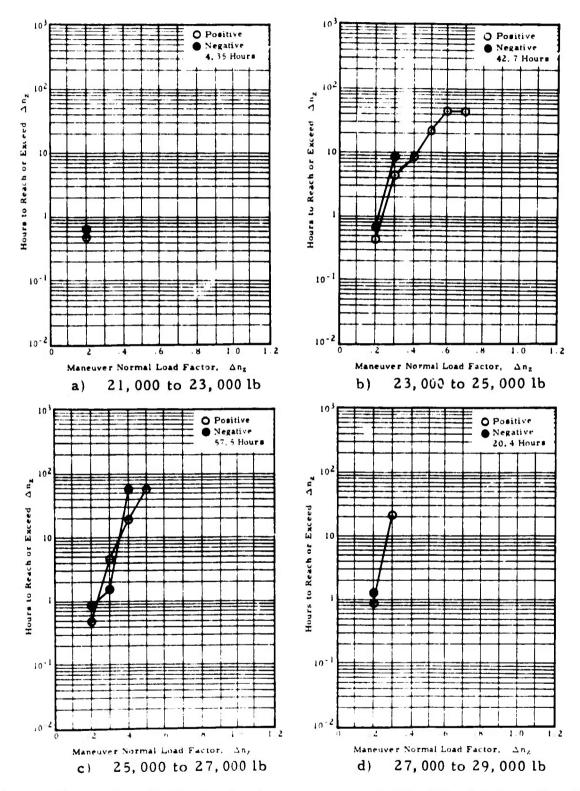


Figure 24. Exceedance Curves for Incremental Maneuver Normal Load Factor Peaks by Gross Weight Range (Sample II).

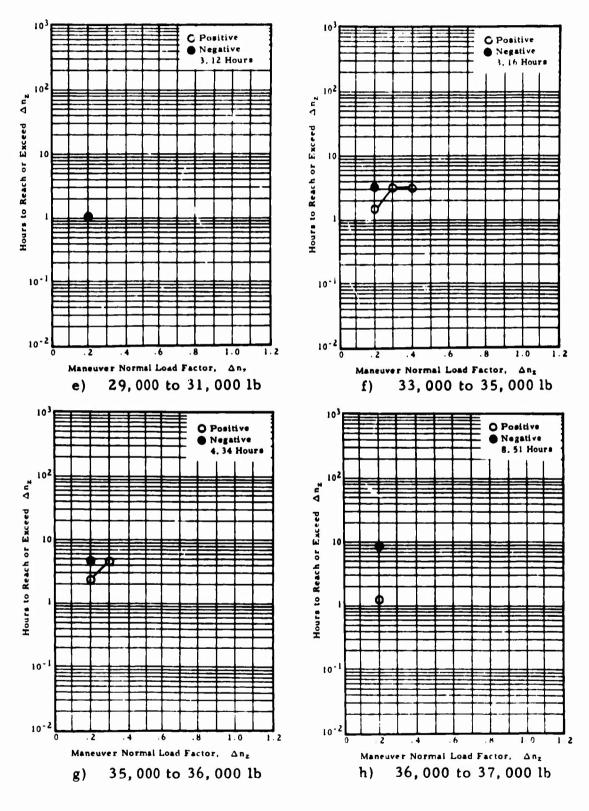


Figure 24 - Continued

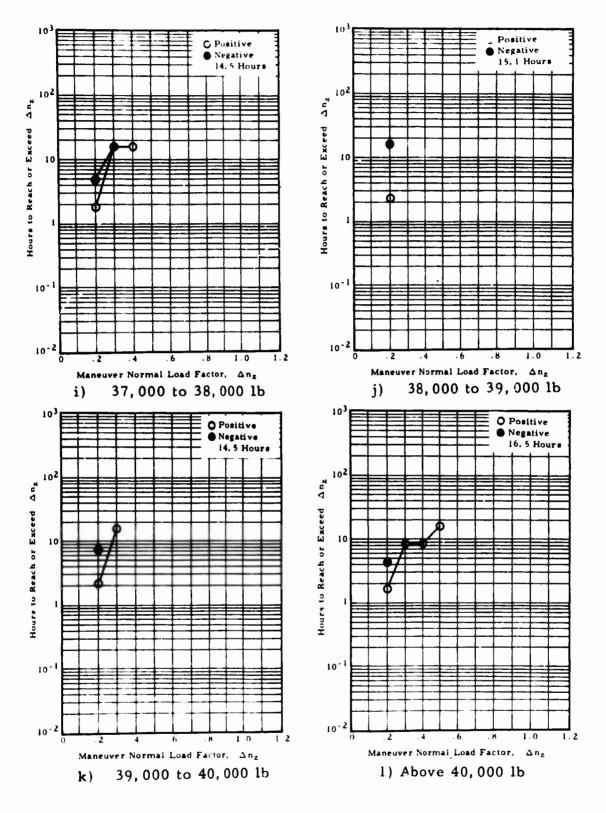
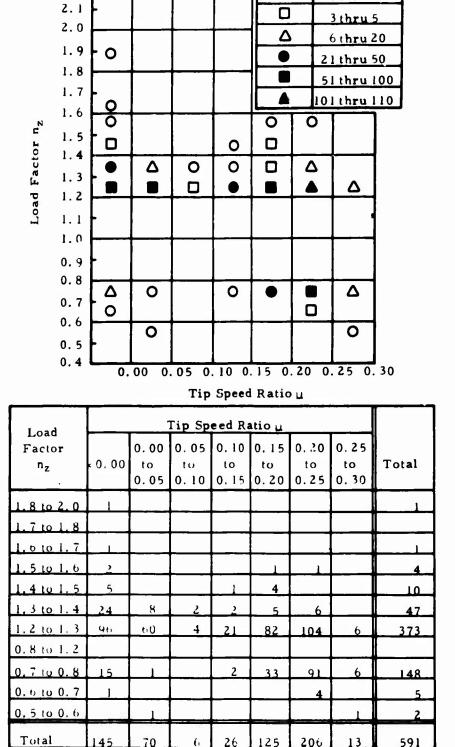


Figure 24 - Concluded



Symbol

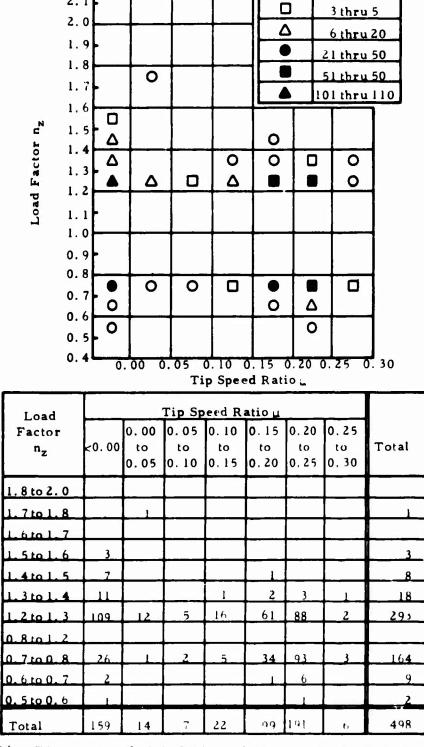
0

2.2

Occurrence

1 thru 2

Figure 25. Diagram and Tabulation of Maneuver Normal Load Factor Peaks in Ranges of Rotor Tip Speed Ratio (Sample I).



2.1

Symbol Occurrence

l thru 2

0

Figure 26. Diagram and Tabulation of Maneuver Normal Load Factor Peaks in Ranges of Rotor Tip Speed Ratio (Sample II).

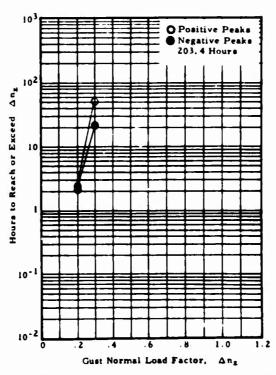


Figure 27. Exceedance Curves for Incremental Gust Normal Load Factor Peaks, Composite (Sample I).

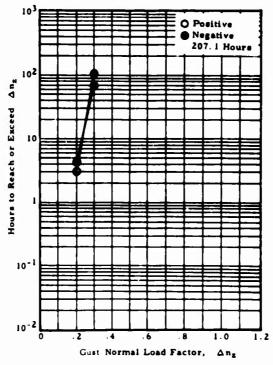


Figure 28. Exceedance Curves for Incremental Gust Normal Load Factor Peaks, Composite (Sample II).

TABLE IV. TIME FOR ALTITUDE VERSUS AIRSPEED BY
WEIGHT AND MISSION SEGMENT, SAMPLE I
MINUTES FOR ALTITUDE VS AIRSPEED BY WEIGHT LESS, BY MISSION SEG. DESCNT

LESS 40 60	LESS	1000	2000 0.6 0.5	5000	10000	15000	SUM 0.6 0.5				
65 70 75 80			0.4 0.1 0.8 0.7				0.4 0.1 0.8 0.7				
85 90			0.9 3.4				0.9 3.4				
95			3.7				0.7				
100 105			0.2				0.2				
110											
115		•									
SUM			8.3				8.3				
1	INUTES	FOR ALT	ITUDE VS	AIRSP	EED BY	WEIGHT	LESS,	BY	MISSION	SEG.	STEADY
LESS	LESS	1000	2000	5000	10000	15000	SUM 0.2				
40			0.2				0.2				
60	•										
70											
75							0.2				
80 85			0.2 2.1				2.1				
90			3.1				3.1				
95 100			0.5				0.5				
105											
110											
120											
SUM			5.1				6.1				
•	INUTES	FOR ALT	ITUDE VS	AIRSP	EED 8Y	WEIGHT	LESS,	84	MISSION	SEG.	SUM
	LESS	1000	2000	5000	10000	15000	S UM 0 • E				
LESS 40			0.8				0.5				
60											
65 70			0.4 0.1				0.4				
75			0.8				9.0				
80 85			3.9 3.0				0.9 3.C				
90			6.5				6.5				
95			1.2				1.2				
100			0 • 4				0.2				
110											
115											
SUM			14.4				14.4				

TABLE IV - Continued

LESS 1000 2000 5000 10000 15000 SUM  LESS 0.3 4.0 5.3 9.6 40 0.7 7.7 0.1 8.5 60 4.1 0.5 4.7 65 3.9 0.4 4.4 70 2.3 0.2 2.6 75 7.6 0.1 7.7 80 5.2 1.8 7.0 85 8.8 1.7 10.5 90 8.6 0.9 9.5 95 4.3 2.7 7.0 100 0.8 0.5 1.4 100 115 120 SUM  LESS 1000 2000 5000 10000 15000 SUM	IVR
LESS 0.3 4.0 5.3 9.6 40 0.7 7.7 0.1 8.5 60 4.1 0.5 4.7 65 4.7 65 4.7 65 4.7 65 7.6 0.1 7.7 80 7.6 0.1 7.7 80 7.6 0.1 7.7 80 7.6 0.1 7.7 80 8.8 1.7 10.5 90 8.6 0.9 9.5 95 4.3 2.7 7.0 100 0.8 0.5 1.4 105 110 115 120 SUM U.3 4.7 55.7 8.9 72.6 MINUTES FOR ALTITUDE VS AIRSPEED BY WEIGHT 21000, BY MISSION SEG. MANUTESS 1000 2000 5000 10000 15000 SUM LESS 1000 2000 5000 10000 15000 SUM LESS 1000 2000 5000 10000 15000 SUM 1000 SUM 10000 SUM 1000 SU	IVR
60	i∀R
65 3.9 0.4 4.4 70 2.3 0.2 2.6 75 7.6 0.1 7.7 80 5.2 1.8 7.0 85 8.8 1.7 10.5 90 9.5 4.3 2.7 7.0 100 0.8 0.5 1.4 105 110 115 120 SUP U.3 4.7 55.7 8.9 72.6  MINUTES FOR ALTITUDE VS AIRSPEED BY WEIGHT 21000, BY MISSION SEG. MANU LESS 1000 2000 5000 10000 15000 SUM  LESS 1000 2000 5000 10000 15000 SUM  LESS 40 60 65 70 75 80 85 0.2 0.6 0.6 90 1.2 0.9 2.1	ijVR
70	IVR
75	IVR
80 5.2 1.8 7.C 85 8.8 1.7 10.5 90 9.5 90 9.5 95 4.3 2.7 7.0 100 0.8 0.5 1.4 105 110 115 120 SUM U.3 4.7 55.7 8.9 72.6 MINUTES FOR ALTITUDE VS AIRSPEED BY WEIGHT 21000, BY MISSION SEG. MANUELESS 1000 2000 5000 10000 15000 SUM LESS 40 60 65 70 70 75 80 85 0.2 0.6 0.6 90 1.2 0.9 2.1	ı∨R
85 8.8 1.7 10.5 90 3.6 0.9 9.5 95 4.3 2.7 7.0 100 0.8 0.5 1.4 105 110 115 120 SUM U.3 4.7 55.7 8.9 72.6  MINUTES FOR ALTITUDE VS AIRSPEED BY WEIGHT 21000, BY MISSION SEG. MANU  LESS 1000 2000 5000 10000 15000 SUM  LESS 40 60 65 70 75 80 85 0.2 0.6 0.6 90 4.2 0.9 2.1	IVR
90	IVR
95	IVR
100 0.8 0.5 1.4 105 110 115 120 SUM U.3 4.7 55.7 8.9 72.6  MINUTES FOR ALTITUDE VS AIRSPEED BY WEIGHT 21000, BY MISSION SEG. MANU  LESS 1000 2000 5000 10000 15000 SUM  LESS 40 60 65 70 75 80 85 0.2 0.6 0.6 90 1.2 0.9 2.1	IVR
105 110 115 120 SUM U.3 4.7 55.7 8.9 72.6  MINUTES FOR ALTITUDE VS AIRSPEED BY WEIGHT 21000, BY MISSION SEG. MANU  LESS 1000 2000 5000 10000 15000 SUM  LESS 40 60 65 70 75 80 85 90 1.2 0.6 1.2 0.9 2.1	IVR
110 115 120 SUM U.3 4.7 55.7 8.9 72.6  MINUTES FOR ALTITUDE VS AIRSPEED BY WEIGHT 21000, BY MISSION SEG. MANU LESS 1000 2000 5000 10000 15000 SUM LESS 40 60 65 70 75 80 85 0.2 0.6 0.8 90 1.2 0.9 2.1	IVR
115 120 SUM U.3 4.7 55.7 8.9 72.6  MINUTES FOR ALTITUDE VS AIRSPEED BY WEIGHT 21000, BY MISSION SEG. MANU LESS 1000 2000 5000 10000 15000 SUM LESS 40 60 65 70 75 80 85 0.2 0.6 0.8 90 1.2 0.9 2.1	IVR
120 SUM U.3 4.7 55.7 8.9 72.6  MINUTES FOR ALTITUDE VS AIRSPEED BY WEIGHT 21000, BY MISSION SEG. MANU  LESS 1000 2000 5000 10000 15000 SUM  LESS 40 60 65 70 75 80 85 0.2 0.6 0.8 90 1.2 0.9 2.1	IVR
SUM U.3 4.7 55.7 8.9 72.6  MINUTES FOR ALTITUDE VS AIRSPEED BY WEIGHT 21000, BY MISSION SEG. MANU LESS 1000 2000 5000 10000 15000 SUM  LESS 40 60 65 70 75 80 85 0.2 0.6 0.8 90 1.2 0.9 2.1	IVR
LESS 1000 2000 5000 10000 15000 SUM  LESS 40 60 65 70 75 80 85 90 0.2 0.6 0.6 2.1	IVR
LESS 1000 2000 5000 10000 15000 SUM  LESS 40 60 65 70 75 80 85 90 0.2 0.6 0.6 2.1	JVR
LESS 40 60 65 70 75 80 85 90 4.2 0.9 2.1	
40 60 65 70 75 80 85 0.2 0.6 0.6 90 1.2 0.9 2.1	
60 65 70 75 80 85 0.2 0.6 0.6 90 1.2 0.9 2.1	
65 70 75 80 85 0.2 0.6 0.6 90 1.2 0.9 2.1	
70 75 80 85 0.2 0.6 0.8 90 1.2 0.9 2.1	
75 80 85 0.2 0.6 0.6 90 1.2 0.9 2.1	
80 85 0.2 0.6 0.8 90 1.2 0.9 2.1	
85 0.2 0.6 0.6 90 4.2 0.9 2.1	
90 4.2 0.9 2.1	
100	
105	
110	
115	
120	
SUM 1.7 1.5 3.3	
MINUTES FOR ALTITUDE VS AIRSPEED BY WEIGHT 21000, BY MISSION SEG. DESC	· M T
LESS 1000 2000 5000 10000 15000 SUM	
LESS 1.0 9.2 13 21.5	
40 0.4 4.8 10.8 16.0	
60 0.1 1.2 4.5 5.8	
65 0.2 1.5 4.2 5.9	
70 0.9 7.3 8.2	
75 0.8 12.7 0.8 14.4	
80 0.9 16.3 0.8 18.C 85 0.5 22.0 7.3 29.8	
85 0.5 22.0 7.3 29.8 90 0.8 27.7 5.2 33.6	
95 0.5 13.6 1.7 15.8	
100 8.8 1.5 10.3	
105 5.1 0.5 5.6	
110 1.0 1.2 2.2	
115 0.3 0.1 0.4	
120	
SUP 1.8 20.9 145.7 19.2 187.6	

TABLE IV - Continued

	MINUTES	FOR ALT	TITUDE VS	AIRSP	EED BY	WEIGHT	21000,	BY	MISSION	SEG.	STEADY
	LESS	1000	2000	5000	10000	15000	SUP				
LESS		9.5	8.5				18.0				
40											
60 65											
70			0.9	0.3			1.2				
75	i		2.5				2.5				
80			4.1	2.2			6.2				
85 90			11.5	4.8			16.4 27.6				
95			8.8	2.2			li.c				
100			5.1	4.3			9.4				
105			2.7	2.2			4.9				
110			1.1	0.5			1.6				
115											
SUM		9.5	66.1	23.1			98.8				
	MINUTES	FOR ALT	TITUDE VS	AIRSP	EED BY	WEIGHT	21000.	84	MISSION	SEG.	SUM
	LESS	1000	2000	5000	10000	15000	SUM				
LESS		22.7	25.0	2000		.,,,,,	49.1				
40		5.5	18.5	0.1			24.5				
60		1.2	8.7	0.5			10.5				
65 70		1.5	8.1 10.6	0.4			10.3				
75		0.8	22.8	0.9			24.5				
80	)	0.9	25.5	4.8			31.2				
85		0.5	42.5	14.4			57.4				
90 95		0.5	58.5 27.1	13.6			72.8				
100		0.5	14.7	6.3			21.0				
105			7.9	2.7			10.€				
110			2.1	1.8			3.9				
115			0.3	0.1			0.4				
SUP		35.1	272.3	52.7			362.3				
	MINUTES	FOR ALT	TITUDE VS	AIRSP	EED BY	WEIGHT	23000,	RY	MISSION	SEG.	ASCENT
	LESS	1000	2000	5000	10000	15000	SUM				
LESS		22.3	35.7				59.8				
40 60		7.6	58.0 25.2	1.6			67.4 29.1				
65		1.0	28.6	6.8			36.4				
70		1.0	38.8	7.2			47.C				
75		0.9	32.6	9.7			43.1				
80		0.7	39.1	19.3			59.2				
85 90			28.3	15.5			43.8 37.0				
95			13.3	2.8			16.2				
100			3.7	0.2			3.9				
105											
110											
120											
SUM		35.2	334.3	74.4			442.5				

TABLE IV - Continued

	MINUTES	FOR ÁL	TITUDE VS	AIRSP	EED BY	WEIGHT	23000,	84	MISSION	SEG.	MANUVR
	LESS	1000	2000	5000	10000	15000	SUM				
LESS	•					-					
40											
60											
70											
75	i										
80			2.6	2.4			5.C				
85 90			3.1 2.9	2.4			5.4 3.0				
95			1.6	0.6			2.2				
100			4.4	0.4			1.8				
105			0.2				0.2				
110				0.1			0.1				
120											
SUM	1		14.8	6.0			17.8				
	MI MITEC	500 AL	TITUDE VS	A1060		METCHT	23000	<b>R</b> v	M1 6610h	SEG	DESCUT
	W1 40 1 6 3	PUR AL	111005 43	MINSE	EED BY	METOWI	230001	01	4133104	350.	DE 30 11
	LESS	1000	2000	5000	10000	15000	SUM				
LESS		42.2					101.3				
40 60	_	28.3		2.4			75.7 34.6				
65		6.8	25.2	2.9			35.2				
70	0.1	7.3	36.8	3.9			48.0				
75		5.6	53.5	9.4			68.5				
80 85		4.1	77.1 95.0	16.5			97.7 125.6				
90		0.7		22.4			136.5				
95		0.4	63.0	17.8			81.2				
100		0.1	33.4	4.1			37.7				
105 110		0.1	6.4 3.1	1.7			3.1				
115			0.2				0.2				
120											
SUM	6.4	107.4	527.4	112.5			853.6				
•	MINUTES	FOR ALT	TITUDE VS	AIRSP	EED BY	WEIGHT	23000,	84	MISSION	SEG.	STEADY
	LESS	1000	2000	5000	10000	15000	SUM				
LESS		53.0	76.7				138.4				
60		0.5	0.5	4.7 6.0			6.1				
65		0.1	1.2	13.2			14.5				
70			7.5	20.0			27.5				
75			22.5	33.8			56.3				
80			47.8 89.6	65.6			113.4 155.6				
90			150.0	89.7			239.7				
75			89.0	35.8			124.7				
100			13.9	20.4			34.3				
105 110			0.7	0.1			0.8				
115											
120		_									
SUM	8.7	53.8	499.3	355.2			917.C				

TABLE IV - Continued

LESS 1000 2000 5000 10000 15000 SUM  LESS 14.3 117.5 167.7  ** 00 2.4 36.4 101.4 8.7 148.8  80 0 10.9 6.4 12.6 69.8  85 0.3 7.9 55.0 22.9 86.1  70 0.1 8.3 83.1 31.1 122.5  77 0 0.1 8.3 83.1 31.1 122.5  80 0 4.8 166.7 103.8 275.3  85 2.8 217.0 110.7 330.5  90 0.7 294.2 121.3 416.2  95 0.4 166.8 57.0 224.3  100 0.1 52.4 25.2 77.7  100 0.1 52.4 25.2 77.7  110 3.1 0.1 3.2  110 3.1 0.1 3.2  110 3.1 0.1 3.2  111 0 3.1 0.1 3.2  115 0.2 0.2  120  SUM 17.1 196.4 1469.8 548.1 2231.3  MINUTES FOR ALTITUDE VS ATRSPEED BY WEIGHT 25000, BY MISSION SEG. ASCENT  40 0.2 10.9 93.7 3.4  40 0.2 10.9 93.7 3.4  40 0.2 10.9 93.7 3.4  40 0.2 10.9 93.7 3.4  40 0.2 10.9 93.7 3.4  40 0.2 10.9 93.7 3.4  40 0.2 10.9 93.7 3.4  100 0.1 27.5 11.6 39.2  85 0.2 47.3 17.9 65.4  90 0.1 27.5 11.6 39.2  80 0.8 49.6 10.2 69.7  81 0.2 67.3 17.9 65.4  90 0.1 27.5 11.6 39.2  SUM 7.4 38.7 518.7 92.7 677.4  MINUTES FOR ALTITUDE VS ATRSPEED BY MEIGHT 25000, BY MISSION SEG. MANUVR  LESS 1000 2000 5000 10000 15000 SUM		MI NUTES	FOR ALT	ITUDE A	S AIRSP	EED BY	WEIGHT	23000,	84	MISSION	SEG.	SUM
LESS 14-3 117-5 167-7  40 2-4 36-6 101-4 8-7 148-8  60 10-9 46-6 12-6 69-8  65 0.3 7-9 55-0 22-9 86-1  70 0.1 8-3 83.1 31-1 122-5  75 0.1 8-5 108-5 52-9 168-C  80 4-8 166-7 103-8 275-3  85 2-8 217-0 110-7 330-5  90 0.7 294-2 121-3 41-2  95 0.4 166-8 57-0 224-3  100 0.1 52-4 25-2 77-7  105 0.1 7-3 1-8 9-2  110 3-1 0-1 3-1 3-2  120  SUM 17-1 196-4 1469-8 548-1 2231-3  MINUTES FOR ALTITUDE VS AIRSPEED BY WEIGHT 25000, 8Y MISSION SEG. ASCENT  LESS 1000 2000 5000 10000 15000 SUM  LESS 5-3 34-8 66-4  40 0.2 10-9 93-7 3-4 108-1  60 1.0 6-0 44-2 3-0 54-2  65 0.7 2-3 52-0 5-6 60-6  70 0.2 2-3 56-6 10-9 70-C  75 1-2 53-6 12-4 69-7  95 0-2 47-3 17-9 65-4  90 0-1 27-5 11-6 39-2  95 0-2 47-3 17-9 65-4  90 0-1 27-5 11-6 39-2  100 7-6 1-4 9-C  105 1-7 0-1 1-6  107 1-7 0-1 1-6  108-7 0-2 18-5 7-0 25-5  100 1-7 0-1 1-6  100 7-6 1-4 9-C  100 7-6 1-4 9-C  100 7-6 1-4 9-C  100 1-7 5-1 1-6 39-2  95 0-2 47-3 17-9 65-4  90 0-1 27-5 11-6 39-2  95 0-2 47-3 17-9 65-4  90 0-1 27-5 11-6 39-2  95 0-2 47-3 17-9 65-4  90 0-1 27-5 11-6 39-2  95 0-2 47-3 17-9 65-4  90 0-1 27-5 11-6 39-2  95 0-2 47-3 17-9 65-4  90 0-1 27-5 11-6 39-2  95 0-2 47-3 17-9 65-4  90 0-1 27-5 11-6 39-2  95 0-2 47-3 17-9 65-4  90 0-1 27-5 11-6 39-2  95 0-2 47-3 17-9 65-4  90 0-1 27-5 11-6 39-2  95 0-2 47-3 17-9 65-4  90 0-1 27-5 11-6 39-2  95 0-2 47-3 17-9 65-4  90 0-1 27-5 11-6 39-2  95 0-2 47-3 17-9 65-4  95 0-2 47-3 17-9 65-4  96 0-1 0-1 0-1  100 0-1 0-1  95 0-2 10-0  100 0-1 0-1  95 0-2 10-0  100 0-1 0-1  95 0-2 10-0		1 586	1000	2000	5000	10000	15000	SIIM				
40 2.4 36.4 101.4 8.7 148.8 60 10.9 46.4 12.6 69.8 69.8 69.8 69.8 69.8 69.8 69.8 69	LESS		_	_	7000	10000	1,000					
60 10.9 46.4 12.6 69.8 65.0 3 7.9 55.0 22.9 86.1 70 0.1 8.3 83.1 31.1 122.5 75 0.1 6.5 108.5 52.9 168.6 86.1 80 4.8 166.7 103.8 275.3 85 2.8 217.0 110.7 330.5 90 0.7 294.2 121.3 416.2 95 0.4 166.8 57.0 224.3 100 0.1 52.4 25.2 77.7 105 0.1 7.3 1.8 9.2 110 3.1 0.1 3.2 115 0.2 110 3.1 0.1 3.2 115 0.2 115 0.2 120					8.7							
65 0.3 7.9 55.0 22.9 86.1 70 0.1 8.3 83.1 31.1 122.5 75 0.1 6.5 108.5 52.9 168.C 80 4.8 166.7 103.8 275.3 85 2.8 217.0 110.7 330.5 90 0.7 294.2 121.3 416.2 95 0.4 166.8 57.0 224.3 100 0.1 52.4 25.2 77.7 105 0.1 7.3 1.8 9.2 110 3.1 0.1 3.2 110 3.1 0.1 3.2 110 3.1 0.1 3.2 110 3.1 0.1 3.2 110 17.1 196.4 1469.8 548.1 2231.3  MINUTES FOR ALTITUDE VS AIRSPEED BY WEIGHT 25000, BY MISSION SEG. ASCENT LESS 1000 2000 5000 10000 15000 SUP LESS 5.3 34.8 66.4 40 0.2 10.9 93.7 3.4 108.1 40 1.0 6.0 44.2 3.0 54.2 65 0.7 2.3 52.0 5.6 60.6 70 0.2 2.3 56.6 10.9 70.0 75 1.2 53.6 12.4 67.2 80 0.8 49.6 19.2 69.7 85 0.2 47.3 17.9 65.4 90 0.1 27.5 11.6 39.2 99 18.5 7.0 25.5 100 7.6 1.4 9.6 110 1.7 0.1 1.8 110 1.7 0.1 1.8 110 1.7 0.1 1.8 110 1.7 0.1 1.8 110 1.7 0.1 1.8 110 1.7 0.1 1.8 110 0.2 0.2  SUM 7.4 38.7 518.7 92.7 677.4  MINUTES FOR ALTITUDE VS AIRSPEED BY WEIGHT 25000, BY MISSION SEG. MANUVR  LESS 1000 2000 5000 10000 15000 SUM  LESS 0.1 0.1 0.1 1.6 0.2 0.2 0.2 115 1.0 0.2 0.2 115 1.0 0.2 0.2 115 1.0 0.1 1.6 110 0.1	_											
70			-									
75 0.1 6.5 108.5 52.9 168.C  80 4.8 166.7 103.8 275.3  85 2.8 217.0 110.7 330.5  90 0.7 294.2 121.3 416.2  95 0.4 166.8 57.0 224.3  100 0.1 52.4 25.2 77.7  105 0.1 7.3 1.8 9.2  110 3.1 0.1 3.2  110 3.1 0.1 3.2  110 17.1 196.4 1469.8 548.1 2231.3  MINUTES FOR ALTITUDE VS AIRSPEED BY MEIGHT 25000, BY MISSION SEG. ASCENT  LESS 1000 2000 5000 10000 15000 SUM  LESS 5.3 34.8 66.4 100.1  60 1.0 6.0 44.2 3.0 54.2  65 0.7 2.3 52.0 5.6 60.6  70 0.2 2.3 56.6 10.9 70.6  75 1.2 53.6 12.4 67.2  80 0.8 49.6 19.2 69.7  85 0.2 47.3 17.9 65.4  80 0.8 49.6 19.2 69.7  85 0.2 47.3 17.9 65.4  100 7.6 1.4 9.6  100 7.6 1.4 9.6  100 7.6 1.4 9.6  100 0.1 27.5 11.6 39.2  95 18.5 7.0 25.5  100 7.6 1.4 9.6  100 0.1 27.5 11.6 39.2  95 18.5 7.0 25.5  100 7.6 1.4 9.6  100 0.1 1.7 0.1 1.8  110 0.2 0.2  115 120  SUM 7.4 58.7 518.7 92.7 677.4  MINUTES FOR ALTITUDE VS AIRSPEED BY WEIGHT 25000, BY MISSION SEG. MANUVR  LESS 1000 2000 5000 10000 15000 SUM  LESS 40 0.1 0.1 0.1  65 0.3 3 0.2  70 1.0 1.0 1.6  65 0.3 3 7 5.2  90 0.1 0.1 0.1  80 0.1												
80				_								
## 5			4.8	166.7	103.8			275.3				
95	85	3	2.8					330.5				
100	90	1	0.7	294.2	121.3			416.2				
105	95	<b>S</b>		_	_							
110			_									
115			0.1									
17.1					0.1							
HINUTES FOR ALTITUDE VS AIRSPEED BY WEIGHT 25000, BY MISSION SEG. ASCENT  LESS 1000 2000 5000 10000 15000 SUP  LESS 5.3 34.8 66.4 40 0.2 10.9 93.7 3.4 108.1 60 1.0 6.0 44.2 3.0 54.2 65 0.7 2.3 52.0 5.6 60.6 70 0.2 2.3 56.6 10.9 70.0 75 1.2 53.6 12.4 67.2 80 0.8 49.6 19.2 69.7 85 0.2 47.3 17.9 65.4 90 0.1 27.5 11.6 39.2 95 18.5 7.0 25.5 100 7.6 1.4 9.0 115 120 SUP 7.4 58.7 518.7 92.7 677.4  HINUTES FOR ALTITUDE VS AIRSPEED BY WEIGHT 25000, BY MISSION SEG. MANUVR  LESS 1000 2000 5000 10000 15000 SUM  LESS 1000 2000 5000 TUM				0.2								
LESS 1000 2000 5000 10000 15000 SUP  LESS 5.3 34.8 66.4 40 0.2 10.9 93.7 3.4 108.1 60 1.0 6.0 44.2 3.0 54.2 65 0.7 2.3 52.0 5.6 60.6 70 0.2 2.3 56.6 10.9 70.0 75 1.2 53.6 12.4 67.2 80 0.8 49.6 19.2 69.7 85 0.2 47.3 17.9 65.4 90 0.1 27.5 11.6 39.2 95 18.5 7.0 225.5 100 7.6 1.4 9.0 115 120 SUP  MINUTES FOR ALTITUDE VS AIRSPEED BY WEIGHT 25000, BY MISSION SEG. MANUVR  LESS 1000 2000 5000 10000 15000 SUM  LESS 40 0.1 0.1 65 0.3 0.2 70 1.0 1.0 75 1.4 1.4 80 1.5 1.0 2.5 85 4.5 3.7 5.2 90 6.7 2.1 8.8 90 6.7 2.1 8.8 90 6.7 2.1 8.8 90 6.7 2.1 8.8 91 1.3 1.0 1.3 91 1.0 1.3 91 1.0 1.3 91 1.0 1.4 91 1.5 92 1.0 1.0 1.0 93 1.0 1.3 95 1.0 1.3 96 1.4 4.6 97 1.5 1.5 1.0 1.3 98 1.5 1.0 1.3 99 1.2 1.4 4.6 90 1.5 1.4 4.6 90 1.5 1.4 4.6 90 1.5 1.4 4.6 90 1.5 1.4 4.6	SUM											
LESS 5.3 34.8 66.4 106.6 40 0.2 10.9 93.7 3.4 108.1 60 1.0 6.0 44.2 3.0 54.2 65 0.7 2.3 52.0 5.6 60.6 70 0.2 2.3 56.6 10.9 70.0 75 1.2 53.6 12.4 67.2 80 0.8 49.6 19.2 69.7 85 0.2 47.3 17.9 65.4 90 0.1 27.5 11.6 39.2 95 18.5 7.0 25.5 100 7.6 1.4 9.0 115 120 SUM 7.4 58.7 518.7 92.7 677.4  MINUTES FOR ALTITUDE VS AIRSPEED BY WEIGHT 25000, BY MISSION SEG. MANUVR LESS 1000 2000 5000 10000 15000 SUM  LESS 40 0.1 0.1 0.1 65 0.3 0.2 70 1.0 1.0 1.0 75 1.4 1.4 80 1.5 1.0 2.5 85 4.5 3.7 3.2 90 6.7 2.1 8.6 90 6.7 2.1 8.6 90 0.1 1.5 1.0 1.5 1.0 1.2 95 3.2 1.4 100 0.3 1.0 1.2 105 0.1 0.1		MINUTES	FOR ALT		S AIRSP				84	4185104	SEG.	ASCENT
40 0.2 10.9 93.7 3.4 108.1 60 1.0 6.0 44.2 3.0 54.2 65 0.7 2.3 52.0 5.6 60.6 70 0.2 2.3 56.6 10.9 70.0 75 1.2 53.6 12.4 67.2 80 0.8 49.6 19.2 69.7 85 0.2 47.3 17.9 65.4 90 0.1 27.5 11.6 39.2 95 18.5 7.0 25.5 100 7.6 1.4 9.0 105 1.7 0.1 1.8 110 0.2 0.2 115 12C SUM 7.4 58.7 518.7 92.7 677.4  MINUTES FOR ALTITUDE VS ATRSPEED BY MEIGHT 25000, BY MISSION SEG. MANUVR  LESS 1000 2000 5000 10000 15000 SUM  LESS 40 0.1 0.1 60 0.1 0.1 65 0.3 0.2 70 1.0 1.4 80 1.5 1.0 2.5 85 4.5 3.7 5.2 90 6.7 2.1 8.8 95 3.2 1.4 4.6 100 0.3 1.0 0.1 115					5000	10000	15000					
60 1.0 6.0 44.2 3.0 54.2 60.6 60.6 67 0.7 2.3 52.0 5.6 60.6 70 0.2 2.3 56.6 10.9 70.0 75 1.2 53.6 12.4 67.2 80 0.8 49.6 19.2 69.7 85 0.2 47.3 17.9 65.4 90 0.1 27.5 11.6 39.2 95 18.5 7.0 25.5 100 7.6 1.4 9.0 105 1.7 0.1 1.6 110 0.2 0.2 115 120 SUM 7.4 58.7 518.7 92.7 677.4 WINUTES FOR ALTITUDE VS AIRSPEED BY WEIGHT 25000, BY MISSION SEG. MANUVR LESS 1000 2000 5000 10000 15000 SUM LESS 1000 2000 5000 10000 15000 SUM 1.0 0.1 0.1 0.1 65 0.3 0.2 1.0 1.0 1.4 80 1.5 1.0 2.5 85 4.5 3.7 5.2 90 6.7 2.1 8.6 95 3.2 1.4 4.6 100 0.3 1.0 1.3 1.0 1.3 1.0 1.3 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0			-	66.4								
65 0.7 2.3 52.0 5.6 60.6 70 0.2 2.3 56.6 10.9 70.0 75 1.2 53.6 12.4 67.2 80 0.8 49.6 19.2 69.7 85 0.2 47.3 17.9 65.4 90 0.1 27.5 11.6 39.2 95 18.5 7.0 25.5 100 7.6 1.4 9.0 115 120 SUM 7.4 58.7 518.7 92.7 677.4  MINUTES FOR ALTITUDE VS AIRSPEED BY MEIGHT 25000, BY MISSION SEG. MANUVR  LESS 1000 2000 5000 10000 15000 SUM  LESS 0.1 0.1 0.1 65 0.3 0.2 70 1.0 0.1 0.1 65 0.3 0.2 77 1.0 1.0 1.0 75 1.4 1.4 80 1.5 1.0 2.5 85 4.5 3.7 5.2 90 6.7 2.1 8.6 95 3.2 1.4 4.6 100 0.3 1.0 1.2 115 110 110 1110												
70 0.2 2.3 56.6 10.9 70.0 75 1.2 53.6 12.4 67.2 80 0.8 49.6 19.2 69.7 85 0.2 47.3 17.9 65.4 90 0.1 27.5 11.6 39.2 95 18.5 7.0 25.5 100 7.6 1.4 9.0 115 1.7 0.1 1.8 110 0.2 0.2 115 12C SUM 7.4 58.7 518.7 92.7 677.4  MINUTES FOR ALTITUDE VS AIRSPEED BY WEIGHT 25000, BY MISSION SEG. MANUVR  LESS 1000 2000 5000 10000 15000 SUM  LESS 40 0.1 0.1 65 0.3 0.2 70 1.0 75 1.4 1.4 80 1.5 1.0 2.5 85 4.5 3.7 5.2 90 6.7 2.1 8.8 95 3.2 1.4 4.6 100 0.3 1.0 1.3 105 0.1 0.1												
75												
80	-				_ :							
85												
90												
95 18.5 7.0 25.5 100 7.6 1.4 9.C 110 1.7 0.1 1.8 110 0.2 0.2 115 12C SUM 7.4 58.7 518.7 92.7 677.4  MINUTES FOR ALTITUDE VS AIRSPEED BY WEIGHT 25000, BY MISSION SEG. MANUVR  LESS 1000 2000 5000 10000 15000 SUM  LESS 40 0.1 0.1 60 0.1 0.1 65 0.3 0.2 70 1.0 1.0 75 1.4 1.4 80 1.5 1.0 2.5 85 4.5 3.7 5.2 90 6.7 2.1 8.8 95 3.2 1.4 4.6 100 0.3 1.0 1.3 110 115												
100												
110	100	L						9.C				
115 120 SUM 7.4 58.7 518.7 92.7 677.4  MINUTES FOR ALTITUDE VS AIRSPEED BY WEIGHT 25000, BY MISSION SEG. MANUVR  LESS 1000 2000 5000 10000 15000 SUM  LESS 40 0.1 0.1 60 0.1 0.1 65 0.3 0.2 70 1.0 1.0 75 1.4 1.4 80 1.5 1.0 2.5 85 4.5 3.7 5.2 90 6.7 2.1 8.6 95 3.2 1.4 4.6 100 0.3 1.0 1.2 110 115	105			1.7	0.1			1.6				
SUM 7.4 58.7 518.7 92.7 677.4  MINUTES FOR ALTITUDE VS AIRSPEED BY WEIGHT 25000, BY MISSION SEG. MANUVR  LESS 1000 2000 5000 10000 15000 SUM  LESS  40 0.1 0.1 65 0.3 0.2 70 1.0 1.0 75 1.4 1.4 80 1.5 1.0 2.5 85 4.5 3.7 9.2 90 6.7 2.1 8.6 95 3.2 1.4 4.6 100 0.3 1.0 1.3 105 0.1	115				0.2			0.2				
LESS 1000 2000 5000 10000 15000 SUM  LESS 0.1 0.1 0.1 60 0.1 0.1 65 0.3 0.3 70 1.0 1.0 75 1.0 1.4 80 1.5 1.0 2.5 85 4.5 3.7 5.2 90 6.7 2.1 8.8 95 3.2 1.4 4.6 100 0.1 110			58.7	518.7	92.7			677.4				
LESS  40  0.1  60  0.1  65  0.3  70  1.0  75  1.4  80  1.5  1.5  1.0  2.5  85  4.5  3.7  90  6.7  2.1  8.8  95  3.2  1.4  4.6  100  1.3  105  1.10  115		MINUTES	FOR ALT	ITUDE V	S AIRSP	EED BY	WEIGHT	25000,	BY	MISSION	SEG.	MANUVR
60       0.1       0.1         65       0.3       0.2         70       1.0       1.C         75       1.4       1.4         80       1.5       1.0       2.5         85       4.5       3.7       5.2         90       6.7       2.1       8.8         95       3.2       1.4       4.6         100       0.3       1.0       1.3         105       0.1       0.1       0.1	LESS		1000	2000	5000	10000	15000					
65 70 1.0 75 1.4 80 1.5 1.0 2.5 85 4.5 3.7 90 6.7 2.1 8.8 95 3.2 1.4 4.6 100 105 0.1 110 115												
70 75 1.0 1.4 80 1.5 1.0 2.5 85 4.5 3.7 90 6.7 2.1 8.8 95 3.2 1.4 4.6 100 0.3 1.0 0.1												
75 80 1.4 80 2.5 85 4.5 3.7 90 6.7 2.1 8.6 95 3.2 1.4 4.6 100 0.3 1.0 0.1 110												
80 1.5 1.0 2.5 85 4.5 3.7 5.2 90 6.7 2.1 8.8 95 3.2 1.4 4.6 100 0.3 1.0 1.3 105 0.1 0.1												
85 4.5 3.7 5.2 90 6.7 2.1 8.8 95 3.2 1.4 4.6 100 0.3 1.0 1.3 105 0.1 0.1					1.0							
90 6.7 2.1 8.8 95 3.2 1.4 4.6 100 0.3 1.0 1.3 105 0.1 0.1												
95 3.2 1.4 4.6 100 0.3 1.0 1.3 105 0.1 0.1												
100								4.6				
105 0.1 0.1 110 115												
110 115								0.1				
115												
120	115											
SUP 19.2 9.2 28.4	120 Sup			19.2	9.2			28.4				

TABLE IV - Continued

MINUTES FOR ALTITUDE VS AIRSPEED BY WEIGHT 25000, BY MISSION SEG. DESCRIT SUM LESS 1000 2300 5000 10000 15000 50.2 LESS 120.4 62.2 8.1 82.5 4 C 4.3 25.6 52.3 0.2 50 . 1.0 8.8 26.0 1.3 37.C 65 3.2 33.3 5.3 24.0 0.7 37.6 70 6.5 7.4 52.6 1.1 75 0.8 8.3 55.8 11.3 76.2 80 0.2 7.1 78.8 13.9 99.9 85 102.2 21.3 127.2 1.0 2.7 130.5 90 97.7 28.5 0.1 2.6 89.C 95 73.1 14.4 0.5 100 0.4 29.9 11.0 41.3 105 10.3 4.7 15.C 110 1.8 1.8 3.7 0.4 0.3 115 0.0 120 908.3 SUM 17.2 117.9 654.1 119.1 MINUTES FOR ALTITUDE VS AIRSPEED BY WEIGHT 25000, BY MISSION SEG. STEADY LESS 1000 2000 5000 10000 15000 SUM LESS 100.8 221.4 106.0 14.5 27.6 40 0.4 1.3 29.3 60 14.3 1.1 15.4 65 3.1 5.9 9.1 15.2 25.C 70 9.8 0.7 40.0 74.5 33.7 75 80 0.2 104.9 97.7 202.€ 85 0.4 174.9 170.3 345.6 90 208.1 228.8 436.8 95.6 95 70.6 166.2 45.7 21.5 100 67.3 105 1.2 7.2 8.3 110 12.5 12.5 115 1.7 1.7 120 14.5 107.7 826.1 667.6 1615.9 SUM MINUTES FOR ALTITUDE VS AIRSPEED BY WEIGHT 25000, BY MISSION SEG. SUM LESS 1000 2000 5000 10000 15000 SUM 229.4 LESS 27.9 191.0 448.4 40 5.0 4.4 36.9 173.7 220.C 60 4.0 14.7 84.6 5.3 106.7 65 4.4 7.7 79.4 14.7 103.2 70 105.0 33.5 1.3 8.8 143.5 75 151.9 57.5 U. 8 10.1 219.4 8.1 80 0.2 234.7 131.8 374.8 85 1.0 3.3 328.9 213.2 546.4 90 0.1 2.7 342.0 270.9 615.7 95 0.5 193.4 93.5 284.4 100 0.4 80.5 34.9 118.5 105 13.2 12.0 25.2 110 14.6 . . 8 16.4 115 J.3 1.8 2.1

3230.C

120

SUP

39.1 284.3 2014.0 888.6

TABLE IV - Continued

MINUTES FOR	ALTITUDE VS	AIRSPEED	BY WEIGHT	27000. 8	Y MISSION	SEG. A	ASCENT
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	LESS	1000	2000	5000	10000	15000	SUM
LESS	3.4	28.3	33.6				65.4
40	1.3	14.6	53.4	4.5			73.8
60	0.1	5.6	31.6	3.1			40.4
65	0.2	7.5	20.4	2.4			38.€
70	0.4	4.1	29.6	3.2			37.4
75	0.4	2.1	43.1	5.1			47.8
80		1.9	35.7	12.1			49.8
85		0.4	28.5	7.3			36.2
90		0.8	15.5	13.2			29.5
95			7.4	8.3			15.6
100			4.4	2.3			6 . E
105			0.6	0.2			0.7
110							- • •
115							
120							
SUP	5.8	65.4	308.8	62.0			441.9

### MINUTES FOR ALTITUDE VS AIRSPEED BY WEIGHT 27000, BY MISSION SEG. MANUVR

	LESS	1000	2000	5000	10000	15000	SUM
LESS		2000		,,,,,		.,,,,,	00.1
40							
60	·						
65							
70			0.1	0.5			0.6
75			1.1	0.3			1.5
80			1.5	0.1			1.5
85			0.3	0.5			0.6
90			0.5	0.8			0.8
95				0.5			0.5
100				0.5			0.5
105							
110							
115							
120							
SUM			3.0	2.6			5.6

## MINUTES FOR ALTITUDE VS AIRSPEED BY WEIGHT 27000, BY MISSIDM SEG. DESCHT

	LESS	1000	2000	5000	10000	15000	SUM
LESS	2.2	17.1	16.2				35.5
40	4.0	13.2	15.1	0.5			29.7
60		2.0	7.6	0.9			10.5
65		2.7	12.2	3.0			17.5
70	0.3	2.0	13.5	3.2			19.0
75		1.5	14.0	3.3			18.€
80		0.5	22.4	9.7			32.6
85	0.3	0.4	30.0	8.5			39.1
90	0.1	2.4	32.9	5.4			40.8
95		1.3	23.7	12.6			37.5
100		0.7	6.9	3.2			10.8
105			2.2	1.5			3.7
110				0.6			0.6
115							
120							
SUM	3.8	43.8	196.6	52.5			296.7

TABLE IV - Continued

	MINUTES	FOR ALT	TITUDE VS	AIRSP	EED BY	WEIGHT	27000.	84	MISSION	SEG.	STEADY
	LESS	1000	2000	5000	10000	15000	SUM				
LESS		32.7	23.5		••••		59.€				
40			11.5				1:.5				
60			9.2				9.2				
65			5.8	1.9			7.7				
70		0.2		2.4			17.4				
75		0.2	27.5	7.4			35.C				
80		***	54.9	39.1			94.1				
85		0.7	105.0	52.5			161.2				
90		0.3	123.3	69.9			193.5				
95		0.5	93.7	53.0			146.8				
100			40.7	12.0			52.7				
105			12.4	8.5			. 20.5				
110			0.1	27.9			28.C				
115				1.4			1.4				
120											
SUM		34.1	522.4	276.0			839.C				
	MINUTES	FOR ALT	TITUDE VS	AIRSP	EED BY	WEIGHT	27000,	BY	41 SS 104	SEG.	SUM
	LESS	1000	2300	5000	10000	15000	SUM				
LESS		78.2	70.3	,,,,,	20000	.,,,,,	160.7				
40		27.8	83.0	5.0			115.1				
60		7.6	48.4	4.1			60.1				
65		10.2	46.4	7.4			64.2				
70		6,3	58.0	9.4			74.2				
75		3.4	82.7	16.1			103.C				
80		2.5	114.5	61.0			177.5				
85		1.4	166.7	68.9			237.3				
90		3.4	171.7	89.3			264.5				
95		1.3	124.8	74.4			200.4				
100		0.7	52.0	17.6			70.3				
105			15.1	10.2			25.4				
110			0.1	28.5			20.6				
115				1.4			1.4				
120											
SUM	16.1	143.3	1030.7	393.1			1503.3				
	MINUTES	FOR ALT	TITUDE VS	AIRSP	EED BY	WEIGHT	29000,	BY	MISSIDA	SEG.	ASCENT
	LESS	1000	2000	5000	10000	15000	SUM				
LESS		3.8	9.1	- 20			12.€				
40		3.7	6.5	0.9			11.1				
60		0.3	6.1	0.9			7.2				
65		0.1	5.3	2.1			7.5				
70			4.9	1.9			6.8				
75		0.7	3.0	0.2			3.5				
80			3.6	0.4			4.C				
85			0.9	0.2			1.1				
90			0.1	1.1			1.2				
95				0.1			0.1				
100											
105											
110 115											
120											
SUM		8.6	39.4	7.8			85 -				
306		0.0	3767				55.€				

TABLE IV - Continued

	MI NUTES	FOR ALT	ITUDE VS	AIRSP	EED BY	WEIGHT	29000,	84	MISSION	SEG.	DESCAT
	LESS	1000	2000	5000	10000	15000	SUM				
LESS		3.6	6.6	,,,,		.,,,,,	10.3				
40		0.7	2.7				3.4				
60		0.1	4.4				1.5				
65		0.6	1.7				2.3				
70		0.1	4.4	0.6			5.C				
75		0.1	3.9	0.8			4.7				
80			4.1	0.4			4.5				
85 90		0.2	4.0	2.4			6.6				
95		0.1	3.4 1.3	0.3			4.2				
100		0.6	1.3	0.4			1.0				
105		0.0		.0.2			0.2				
110											
115											
120											
SUP	0.1	6.0	33.3	5.9			45.4				
	MINUTES	FOR ALT	ITUDE VS	AIRSP	EED BY	WEIGHT	29000,	BY	MISSION	SEG.	STEADY
	LESS	1000	2000	5000	10000	15000	SUM				
LESS		5.8	7.2				15.C				
40											
60											
65 70				1.5			1.5				
75			0.4	10.2			10.6				
80			1.2	34.3			35.5				
85			4.4	20.1			24.4				
90			18.1	8.7			26.2				
95			6.2	1.8			8.1				
100				1.5			1.5				
105				1.2			1.2				
110											
120											
SUM		5.8	37.6	85.8			131.2				
	MINUTES	FOR ALT	ITUDE VS	AIRSP	EED BY	WEIGHT	29000•	BY	MISSION	SEG.	SUM
	LESS	1000	2000	5000	10000	15000	SUM				
LESS	2.1	13.1	22.9				38.2				
40		4.4	9.2	0.9			14.5				
60		0.4	7.4	0.9			8.7				
65		0.7	7.0	3.6			11.3				
70 75		0.1		9.2			18.5				
80		0.0	8.9	35.2			44.C				
85		0.2		22.6			32.1				
90				10.5			32.1				
95		0.1	7.5	2.2			9.€				
100		0.6		1.9			2.5				
105				1.4			1.4				
110											
115											
SUM	2.1	20.4	110.2	99.6			232.3				

TABLE IV - Continued

MINUTES FOR	ALTITUDE V	S AIRSPEED	BY WEIGHT	3100C, B	A WI22IDA	SEG. ASCENT	

	LESS	1000	2000	5000	10000	15000	SUM				
LES:	S 0.1	1.6	6.4				8.1				
4	0 .		2.9	0.2			3.1				
60			0.5	0.4			0.5				
6	5		1.0	0.7			1.7				
70											
7											
80											
8											
90											
9	-										
100											
10											
110											
ii											
120											
SUP		1 4					12.0				
301	0.1	1.6	10.8	1.3			13.8				
	MINUTES	FOR ALT	ITUDE VS	AIRSP	EED BY	WEIGHT	31000.	BY	MISSION	SEG.	MANUV
	LESS	1000	2000	5000	10000	15000	SUM				
	FE22	1000	2000	2000	T 0000	1 7000	301				

	LESS	1000	2000	5000	10000	15000	SUM
LESS							
40							
60							
65							
70							
75				0.8			0.8
80				0.3			0.3
85							
90							
95							
100							
105							
110							
115							
120							
SUM				1.1			1.1

### MINUTES FOR ALTITUDE VS AIRSPEED BY WEIGHT 31000, BY MISSION SEG. DESCHT

	LESS	1000	2000	5000	10000	15000	SUM
LESS	4.4	7.5	9.0				17.5
40		0.4	6.4				6.8
60		0.1	4 . 8				1.9
65			0.1				0.1
70			0.5	0.3			0.8
75			0.3	0.9			1.2
80				0.3			0.3
85							
90							
95							
100							
105							
110							
115							
120							
SUM	1.4	8.0	18.1	1.5			29.0

TABLE IV - Continued

	MINUTES	FOR ALT	ITUDE VS	AIRSP	EED BY	WEIGHT	31000.	84	MISSION	SEG.	STEADY
LESS 40 60 65 70 75 80 85 100 105 110 115		1000	2000 18.2 3.0 1.9 0.7 0.1	0.7 2.3 4.0 0.6	10000	15000	\$UM 40.2 8.0 1.9 1.5 2.4 4.0				
SUM		19.1	28.9	7.7			58.6				
	MINUTES	FOR ALT	ITUDE VS	AIRSP	EED BY	WEIGHT	31000.	BY	MISSION	SEG.	SUM
LESS 40 60 65 70 75 85 90 95 100 115 120		1000 28.2 0.4 0.1	2000 33.6 17.3 4.2 1.8 0.6 0.3	5000 0.2 0.4 1.4 2.6 5.7 1.2	10000	15000	SUM 66.2 17.5 4.7 3.3 3.2 6.C 1.2				
SUM		28.7	57.8	11.5			102.5				
LESS 40 60 65 70 75 80 85 90 105 110 115	LESS	1000 0.6	2000 6.1 4.4 3.3 1.0 0.7	0.5 0.7 0.4	10000	15000	3300C. SUM 6.7 4.5 4.C 1.C 1.1	BY	MISSION	SEG.	ASCENT

TABLE IV - Continued

	MINUTES	FOR ALT	ITUDE VS	AIRS	EED BY	WEIGHT	33000.	BY	MISSION	SEG.	DESCHT
LESS 40 60	0.2		2000 9.1 17.6 7.3 6.7	5000	10000	15000	SUM 16.6 19.5 7.5 6.7				
70 75 80 85 90 95 100			6.6 4.8 1.5 0.3	0.8 0.6 1.1			7.4 5.4 2.6 0.3				
110 115 120 SU#		•.•	54.2	2.5			66.4				
	MI NUTES	FOR ALT	ITUDE VS	AIRSP	EED BY	HEIGHT	33000.	84	MISSION	SEG.	STEADY
LESS 40 60 65 705 85 90 100 110 115 120		1000	2000 15.6 1i.8 4.4 9.8 2.4 13.4	5000 0.5 2.7 2.0 0.0 0.0	10000	15000	23.2 12.2 7.1 11.6 2.5 13.4				
SUM	1.5	6.1	57.4	5.2			70.3				
			ITUDE VS			WEIGHT	33000.	84	MISSION	SEG.	SUM
LESS 40 60 65 70 75 80 85 90 105 115 125	0.2	1000 13.5 1.8 0.2	2000 30.8 34.0 15.0 17.5 9.7 16.2	5000 1.0 3.4 2.0 1.3 0.7 1.1	10000	15000	SUP 46.5 37.C 18.7 19.4 11.C 18.5 2.6 0.3				
SUP	2.4	15.5	127.0	9.4			154.3				

TABLE IV - Continued

	MINUTES	FOR ALT	ITUDE VS	AIRSP	EED BY	WEIGHT	3500C,	BY	MISSION	SEG.	
LESS 40 60 65 70 75 80 85 90 95 100 115 120		1000	2009 6.0 16.8 11.2 10.5 7.6 2.1 0.7	5000 0.6 0.4 0.1 1.4 1.7 0.9	10000	15000	SUM 10.4 17.5 11.6 10.6 9.C 3.8 1.6				
SUM		2.5	56.8	5.2		•	64.6				
	MINUTES	FOR ALT	I,TUDE VS	AIRSP	EED BY	WEIGHT	35000,	BY	MISSION	SEG.	DESCNT
LESS 40 60 65 70 75 80 85 90 95 100 105 110 5120		1000 2.0 1.6 0.3	2000 6.2 14.7 8.2 3.9 9.9 4.9 4.3 J.6	5000 0.3 2.7 1.3 0.2 0.5 0.1	C0001	15000	SUM 8.3 16.3 9.8 6.6 11.2 5.1 4.9 0.7				
	MINUTES	FOR ALT	ITUDE VS	AIRSP	EED BY	WEIGHT	35000,	94	MISSION	SEG.	STEADY
LESS 40 60 65 70 75 80 85 90 95 105 110 115		1000	2000 i.8 13.3 15.3 17.5 26.6 22.6 5.5	F000 0.7 6.9 2.5 0.2 1.0 1.8	1000C	15000	SUM 2.6 14.1 22.1 20.C 26.8 23.6 8.3				
SUP		0.6	103.6	13.2			117.6				

TABLE IV - Continued

	MINUTES	FOR ALT	ITUDE VS	AIRSP	EEO BY	WEIGHT	35000.	84	MISSION	SEG.	SUM
	LeSS	1000	2000	5000	10000	15000	SUM				
LESS		5.2	16.0				21.2				
40		1.8	44.8	1.4			47.5				
60		0.3	34.7	7.6			42.5				
65			32.0	5.3							
70			44.1	2.9			47.C				
75			29.6	2.9			32.5				
80			11.5	3.3			14.8				
85			0.6	0.1			0.7				
90											
95											
100											
105											
110											
115											
120		7 3	21 2 2	22 4			244 1				
SUP	,	7.2	213.2	23.6			244.1				
	MINUTES	FOR ALT	ITUDE VS	AIRSP	EED BY	WEIGHT	36000,	BY	MISSION	SEG.	ASCENT
	LESS	1000	2000	5000	10000	15000	SUM				
LESS		6.6	12.4			•	19.C				
40		1.2	22.2	0.9			24.3				
60		0.4	15.4	0.4			16.2				
65		0.5	13.4	2.3			16.2				
70		0.5	13.0	3.1			16.7				
75		0.2	6.9	0.3			7.4				
80	1		2.8				2.€				
85			0.1	0.2			0.3				
90	•										
95											
100											
105											
110											
115											
120											
SUM	!	9.5	86.3	7.2			103.C				
	MIMITEC	EOD ALT	ITUDE VS	AIDED	EED BY	UEICHT	24000	<b>.</b> .	MICCION	eec.	DESCUT
	41.40153	FUN ALI	TIOUE VS	WIKSE	EEU 01	MEIGHI	30000	01	4133104	320.	DESCAI
	LESS	1000	2000	5000	10000	15000	SUM				
LESS		10.1	8.3		••••		20.2				
40		8.2					23.9				
60		4.1	7.8	0.2			12.1				
65		3.3	20.4	1.3			25.0				
70		1.5	22.9	4.2			28.6				
75		0.5	19.1	2.0			21.5				
80			0.9	0.4			7.3				
85			4.1	1.3			5.4				
90			0.4	0.2			0.6				
95			-	0.6			0.6				
100											
105											
110											
115											
120											
SUM		27.6	105.3	10.2			145.2				

TABLE IV - Continued

	MINUTES	FOR ALT	ITUDE VS	AIRSP	EED BY	WEIGHT	36000,	BY	MISSION	SEG.	STEADY
LESS 400 605 700 75 80 85 90 95 100 115 120			2000 2.5 3.7 18.7 19.8 22.9 37.9 12.0 1.7	5000 1.6 3.4 6.1 5.9 4.4 2.0 0.2	10000	15000	SUM 7.6 5.3 22.1 25.9 28.8 42.3 14.C 1.8 0.1				
SUP	0.2	4.5	119.6	23.5			147.8				
	MINUTES	FOR ALT	TTUDE VS	AIRSP	EED BY	WEIGHT	36000,	BY	MISSION	SEG.	SUM
LESS 40 60 65 70 75 80 95 100 105 110	0.3	1000 21.2 9.4 4.5 3.8 2.0 0.6	2000 23.6 41.2 42.0 53.6 58.7 63.9 21.7 5.9 0.5	5000 2.4 4.0 9.7 13.3 6.7 2.4 1.6 0.2 0.6	10000	15000	SUM 46.8 53.4 50.4 67.1 74.0 71.2 24.2 7.5 0.7 0.6				
SUF		41.6	311.2	40.9	FCD BY		396.0		*******	***	400545
LESS 40 60 65 70 75 80 85 90 90 100 110 110	LESS 1.9	1000 12.6 5.4 1.6 2.5 1.4 0.5	2000 11.3 31.0 31.3 37.1 19.3 12.6 3.7 0.8 0.9 2.1 0.5	0.3 1.2 0.3 2.3 0.7 0.4 0.4 1.1 0.7		15000	37000. SUM 25.7 36.7 34.2 39.5 23.C 13.5 4.1 1.2 1.4 3.2 1.2	ВУ	MISSION	SEG.	ASCENT
120 SUM	1.9	24.0	151.4	7.8			185.C				

TABLE IV - Continued

	MINUTES	FOR ALT	ITUDE VS	AIRSE	PEED BY	WEIGHT	37000,	84	MISSIDA	SEG.	DESCHT
	LESS	1000	2000	5000	1000C	15000	SUF				
LESS	0.5	12.1	14.1				26.7				
40		5.0	36.5	1.3			42.8				
60		1.1	28.1	1.4			30.€				
65		1.4	40.4	1.2			43.C				
70		0.1	23.6	2.3			26.0				
75		0.2	13.6	2.7			16.5				
		0.2									
80			10.1	1.5			11.6				
85			1.7	0.5			2.2				
90			0.9	1.9			2.5				
95				0.6			0.6				
100			J.6	0.2			0.8				
105	5										
110	)										
115											
120											
SUM		19.9	169.7	13.7			203.8				
	MINUTES	FOR ALT	ITUDE VS	AIRSP	EED BY	WEIGHT	3700C,	BY	MISSION	SEG.	STEADY
	LESS	1000	2000	5000	10000	15000	SUM				
LESS		2.0	7.0	,,,,	20000	.,,,,,	9.9				
40		2.0	14.0	3.7			17.7				
60			45.1	1.6			46.6				
65			64.1	8.3			72.4				
70			49.3	10.6			59.5				
75			32.3	11.0			43.3				
80			12.3	0.5			12.8				
85	}		1.8	1.6			3.3				
90				1.8			1.6				
95			2.1	0.1			2.2				
100			3.3	0.1			3.4				
105			0.9				0.5				
110			•••								
115											
120		2.0	222 2	20.2			27/ 2				
SUM	0.9	2.0	232.2	39.2			274.3				
	MINUTES	FOR ALT	ITUDE VS		EED BY	WEIGHT	37000,	BY	415510V	SEG.	SUM
	LESS	1000	2000	5000	10000	15000	SUM				
LESS	3.2	26.7	32.4				62.3				
40		10.4	84.5	5.3			97.2				
60		2.8	104.4	4.2			111.4				
65		3.8	141.6	9.8			155.3				
70		1.4	92.2	15.2			108.5				
75		0.7									
80		0.7	58.6	14.4			73.1				
			26.1	2.4			28.5				
85			4.3	2.5			6.8				
90			1.9	4.2			6.0				
95			4.2	1.8			6.1				
100			4.4	1.0			5.4				
105			1.6				1.6				
110											
115											
120											

663.C

TABLE IV - Continued

	MINUTES	FOR ALT	ITUDE VS	AIRSP	EED BY	WEIGHT	38000.	84	MISSION	SEG.	ASCENT
	LESS	1000	2000	5000	40000	15000	SUM				
LESS		10.8	35.4			.,,,,,	49.3				
40		7.4	87.7	4.1			99.5				
60		5.7	56.0	5.8			67.8				
65		3.4	59.2	2.3			64.5				
70	1.0	1.4	22.5	1.2			26.2				
75		1.0	16.1	0.8			18.2				
80		0.1	5.3				5.4				
85	•		1.3				1.3				
90	)										
95	•										
100											
105											
110											
115											
120											
SUM	5.4	29.9	283.5	14.2			333.C				
		500 AL									
	WI MOTE?	FUR ALT	ITUDE VS	AIRSP	FED BY	WEIGHT	38000,	BY	4122104	SEG.	DESCAT
	LESS	1000	2200	5000	10000	1 5000	e 1 114				
LESS		1000	2000	5000	10000	15000	S UM 37.5				
40			47.9	3.2			65.1				
60		1.5	33.0	1.5			36.0				
65		0.2	38.0	3.1			41.4				
70		0.3	29.1	4.4			33.8				
75		0.5	23.5	2.4			25.8				
80		0.2	14.6	2.4			17.1				
85		• • •	6.0	0.7			6.7				
90			1.7	0.4			2.1				
95			0.5				0.5				
100											
105											
110											
115											
120				100 0							
SUP	0.9	35.9	211.1	18.1			266.C				
				****	558 BY		34000		<b>4.66.</b> 00	***	676404
	WI ADIE2	FUR ALT	ITUDE VS	WIK2h	EED BY	MEIGHI	38000+	51	4122104	350.	STEADT
	LESS	1000	2000	5000	10000	15000	SUM				
LESS		1.0	6.4	2000	10000	1 7000	7.7				
40		2.0	19.2	8.8			25.1				
60			43.1	3.5			46.6				
65			53.7	32.9			86.6				
70			66.5	23.6			90.0				
75		0.0	57.5	16.3			73.€				
80			14.3	3.0			17.4				
85			1.0	0.7			1.7				
90			3.7				0.7				
95											
100											
105											
110											
115											
120		_									
SUP	0.3	1.1	262.4	88.8			352.7				

TABLE IV - Continued

	MI VUTES	FOR AL	TITUDE VS	AIRSP	EED BY	WEIGHT	3800C,	вч	MISSION	SEG.	SUM
	LESS	1000	2000	5000	10000	15000	SUM				
LESS		31.8		,,,,			94.5				
40		21.2		16.1			193.C				
60	0.4	7.2		10.8			150.4				
65		3.6	150	38.3			192.5				
70	4.0			29.3			150.C				
75				19.4			117.€				
80		0.3		5.4			39.5				
85			0.3	1.5			9.8				
90			2.4	0.4			2 • t				
95 100			0.5				0.5				
105											
110											
115											
120											
SUM	6.5	66.9	757.0	121.2			951.6				
	MINUTES	FOR ALT	FITUDE VS	AIRSP	EED BY	WEIGHT	39000,	BY	MISSION	SEG.	ASCENT
	LESS	1000	2000	5000	10000	15000	SUM				
LESS		19.2					52.4				
40		5.7	_	3.2			86.3				
60		3.1	47.0	3.4			53.5				
65		1.0		10.4			55.2				
70		1.1		6.0			33.8 18.8				
75 80		1.8	14.5 3.0	2.4			3.8				
85		0.4	0.3				0.3				
90			0.2				0.2				
95			•••				•••				
100											
105											
110											
115											
120											
SUF	1.3	32.2	245.6	25.4			304.5				
	MINUTES	FOR ALT	TITUDE VS	AIRSP	EED BY	WEIGHT	39000,	BY	VCIZZIP	SEG.	DESCUT
	LESS	1000	2000	5000	10000	15000	SUM				
LESS		15.7					31.2				
40	U.9	9.4	45.7	0.7			56 . €				
60	0.1	0.4	24.2	4.8			29.€				
65		1.0	24.3	5.0			30.3				
70		0.4	27.6	6.3			34.3				
75		0.1	20.4	0.7			21.1				
80		0.1	10.1	0.5			10.7				
85			3.2	0.1			3.4				
90			3.7	0.2			0.5				
95			J.4				0.4				
100 105											
110											
115											
120											
SUM	4.2	27.0	168.9	18.5			210.€				

TABLE IV - Continued

	MINUTES	FOR AL	TITUDE VS	AIRSP	EED BY	WEIGHT	39000.	BY	MISSION	SEG.	STEADY	
	LESS	1000	2000	5000	10000	15000	SUM					
LESS		4.2		7000	10003	1,000	10.					
40		***	24.4	3.5			27.5					
60			25.6	15.0			40.6					
65			53.1	35.1			88.3					
70			52.6	25.3			77.5					
75			38.5	15.5			54.C					
80			19.7	2.9			22.5					
85			2.7				2.7					
90			2.1				2.1					
95												
100												
105												
110												
115												
120												
SUM		4.2	224.9	97.4			326.5					
	MINUTES	FOR AL	TITUDE VS	AIRSP	EED BY	WEIGHT	39000.	BY	MISSION	SEG.	SUM	
	LESS	1000	2000	5000	10000	15000	SUM					
LESS		39.1	51.4	,	10000	19000	94.1					
40		15.1		7.4			171.C					
60	0.1	3.5		23.3			123.7					
65		2.0		50.6			173.7					
70		1.5		37.6			146.1					
75	0.2	1.8	73.3	18.6			93.5					
80		0.4		3.4			37.C					
85		•••	6.2	0.1			6.4					
90			3.0	0.2			3.2					
95			0.4	•••			0.4					
100												
105												
110												
115												
120												
SUM	5.5	63.4	639.4	141.2			849.5					
,	MINUTES	FOR AL	TITUDE VS	ATRSP	EED BY	WEIGHT	40000.	HY	MISSION	SEG.	ASCENT	
	LESS	1000	2000	5000	10000	15000	SUM					
LESS	5.3	28.5	50.6	0.6			85.C					
40	1.4	13.0	156.9	2.3			173.5					
60	•••	3.6	83.0	2.5			89.2					
65		3.7	51.3	6.5			64.5					
70		1.6	27.0	2.7			31.4					
75		1.7	15.5	4.1			21.2					
80		1.2	10.0	2.9			14.2					
85		0.3	1.0	0.2			5					
90			0.1				0.1					
95												
100												
105												
110												
115												
120												
SUM	6.7	53.6	395.5	21.8			477.5					
_	-											

TABLE IV - Continued

MINUTES FOR ALTITUDE VS AIRSPEED BY WEIGHT 40000, BY MISSION SEG. DESCAT LESS .000 ·2000 5000 10000 15000 SUP LESS 11.8 1.3 23.0 36 . 1 2.5 40 7.7 56.7 46.5 60 1.2 28.4 1.2 30.€ 65 0.7 39.3 3.8 43.8 70 41.2 6.9 49.8 1.8 4.7 28.5 23.8 75 11.7 80 10.6 1.1 85 2.1 1.4 3.5 1.6 90 1.4 0.2 95 0.4 0.4 100 0.5 0.5 105 11 G 115 120 23.2 217.2 263.4 SUP 1.3 21.8 MINUTES FOR ALTITUDE VS AIRSPEED BY WEIGHT 40000, BY MISSION SEG. STEADY SUM LESS 1000 2000 5000 10000 15000 LESS 5.1 13.4 18.8 0.2 53.9 37.8 62.1 40 8.2 50.C 12.2 60 3.0 103.4 65 63.8 36.7 70 83.9 40.1 124.C 33.5 60.2 75 26.6 16.7 29.5 80 13.2 2.7 2.5 95 0.2 90 1.6 1.6 95 0.6 0.6 100 105 11 C 115 120 8.1 307.7 137.3 453.3 0.2 SUM MINUTES FOR ALTITUDE VS AIRSPEED BY WEIGHT 40000. BY MISSION SEG. SUM LESS 1000 . 2000 5000 10000 15000 SUP LESS 45.5 87.1 6.8 0.6 139.5 20.7 257.3 40 1.4 13.0 292.4 60 4.8 149.2 16.0 170.C 65 7.3 154.4 47.0 208.7 49.7 205.2 70 152.1 3.4 1.7 75 74.8 35.4 109.8 17.2 80 37.3 1.2 55.8 85 0.3 5.6 1.8 7.7 90 3.1 0.2 3.3 95 1.0 1.C 100 0.5 0.5 105 110 115 120

1194.3

84.9 920.4 180.9

SUP

TABLE IV - Concluded

	MINUTES	FOR ALT	TITUDE '	VS AIRSP	EED BY	WEIGHT	SUM,	BY	MISSION	SEG.	SUM
	LESS	1000	2000	5000	10000	15000	SUM				
LESS	84.4	633.6	849.6	0.6			1568.2				
40	13.3	191.9	1164.6	66.3			1433.2				
60	4.7	58.1	773.9	93.0			927.6				
65		48.6	869.3	213.0			1133.1				
70	3.0	34.4	848.5				1121.3				
75		28.0	786.6	242.4			1058.7				
80		18.1	716.4	373.1			1108.1				
85		8.6	798.6	437.5			1246.C				
90		7.6	905.4	510.7			1423.5				
95	•	2.8	524.0	236.2			762.5				
100	)	1.8	207.8	86.9			296.5				
105		0.1	45.1	28.1			73.2				
110			7.2				52.2				
115			0.8	3.2			4.1				
120											
SUP		1033.6	8494.6	2571.5			12209.1				

# TABLE V. TIME FOR CYCLIC STEADY VERSUS COLLECTIVE STEADY BY MISSION SEGMENT, SAMPLE I

	PINLTES	FCF	CACFIC	٧S	CCLL W	MISSION	SEG	ASCENT				
LESS 10 20			10	20	30	40	50		70	ec	90	SUP
40 50 60 70 80								786.1 1323:1 86.5	922.C	67.5		1777.6 1323.1 88.9
SLP								25CC 35	922. C	67.5		3189.6
	MINLTES	FCF	CACFIC	٧S	CCLL 87	MISSION	SEG	PANLVR				
LESS 10 20 30			10	2C	30	<b>4</b> C	50	ec	70	<b>e</b> C	90	SUP
40 50 60 70 60 50								23c9 29c1	3e1			27.0 29.1
SLP								53.C	3.1			56.1
	PIRLTES	FCF	CYCLIC	٧S	CCLL BY	PISSION	SEG	CESCAT				
LESS 10 20 20			10	20	30	40	50		70	88	90	SUP
40 50 60 70 80 90								947.6 1357.8 82.3	1103.5	62.9		2114.1 1357.8 82.3
SLF								2387.7	1103.5	62.9		2554.2
	PINLTES	FCF	CACFIC	٧S	CCLL BA	PISSION	SEC	STEACY				
LESS 10 20			10	50	30	40	5C	éC	70	<b>e</b> :	90	SUP
3 C 4 C			7	2 . 2	22.2	23.4 626.C 6	51.6 45.3		25.4	C.7		122.1
. C				5	118.5	724.7 8	21.5	207.6	63.5	6.7		1957.8
e c					39.3 9.5	795.1 5	43.7	55.8 18.7	25.3 C.6			1463.2 310.5
7 C					7.1	16696	17.37	C 5	600			7.3
SLA				. 7	197.C	2356.1 21	67.4	485.6	175.2	17-1		5409.1

TABLE V - Concluded

PIALTES FCF CYCLIC VS CCLL BY MISSION SEG

1666	LESS	1C	2C	3 C	40	50	é C	70	80	•	4U2 09	
LESS 10												
2C 3C				2	2.4	516	21.C	25.4	C <sub>v</sub> 7		122.1	
40			2.2 2	2.2 62							5466.9	
5C			4.5 11	8.9 72	4.7 8	31.5 2	917.6	63.5	6.7		4667.9	
éC				9.3 75			231.1	25.3			1634.4	
70					6.8	5465		C. 6			310.5	
£C				7.1			C+2				7.3	
5C 912			6.7 19	7.C 235	£_1 21	67.4 5	126.5	2207.8	147.5		12209.0	
•••												
											_	
	TAB	LE VI.	TIME	FOR C	T/σ \	ERSU	IS u BY	RAT	E OF	CLIM	(B	
			AND N	<b>MISSION</b>	SEC	MENT	Γ, SAN	IPLE I	[			
							•					
	MINUTES	FOP CT/	S VS MU	BY RA	TE OF	CLIMB	LESS	. BY M	ISSICA	SEG.	DESCNT	
	LESS	C.06	0.09	C-12	0.15	C-1	8 0,2	1 St	41			
LESS				-	- • -				_			
0.0		C-1						04	1			
0. C												
0.10		C-4	1.2					1				
0-19		2.4 4.7						6.				
0-20		1.0	C.7					5. 1.				
0.30		140						4.0				
SUP		8.6	5,5					14.	4			
	MINUTES	FCR CT/	S VS MU	BY PA	TE OF	CLIMA	LESS	, BY #1	SSION	SEG.	SUF	
	LESS	C.06	0.09	0.12	0-15	0,1	0.2	ı sı	ı <b>m</b>			
LESS		.,,,,	0007		••••			• •				
0.0		C-1						00	1			
0.05												
0.10		C.4	1.2					1.				
0.15		2.4	3.6					6.				
0- 20 0- 25		4.7 1.0	C. 7						,			
0.30												
SUM		6.6	5.5					14.	4			
	MINUTES	FCR CT/	S VS MU	8Y 0A	TE OF	CLIMA	-2100	. BY MI	SSIGN	St.G.	MANUVR	
	LESS	0,06	C - 09	C,12	3.15	C- 1/	0 0 2	ı su	M			
LESS		( )( )	6 34	.,	<b>412</b> ,	U 7 E (						
0.0												
0.C5												
0.10												
0.15			0.1					C,	1			
0.20												
0.25												

C. 1

C,1

### TABLE VI - Continued

	MINUTES	FCP CT/S	VS WU	SY PAT	E OF	CLIPR	-2100.	RY PISSICN	SEG,	DESCNT
LESS		C.36	2,09	C-12	0.15	C.1F	0,21	SUM		
0.0 0.0 0.10	<b>3</b>	1.C	C • 2					C, 2 3, 2		
0-19 0-29 0-29	C.4	2.0 16.7 3.2	7.8 1.4					16.1 18.5 3.2		
SLA		25.0	11.6					41.2		
	MINUTES	FCF CT/S	VS MU	BY PAT	E OF	CLIMA	-2100.	BY MISSION	SEG.	SUP
LESS	LESS	0.06	0.09	5.12	C+15	C,18	0.21	SUP		
0.0	3		C• 2					0.2		
0.10		1.0	2.2					3.2		
0.19			7.9					16.2		
0.20	C-4	16.7	1.4					18.5		
0.29		3,2						3,2		
SUP	C•6	29.0	11-7					41,3		
	PINLTES	FCR CT/S	VS Mu	RY RAT	F OF	CLIPB	-1800.	BY PISSION	SEG	DESCNI
	PINLTES	FCR CT/S	VS MU	BY RAT	E OF	CLIPB	-180C.	BY PISSION	SEG.	DESCNT
	PINLTES LESS	C.C6				CLIPB C,18		BY PISSION	SEG.	DESCNT
LESS 0.0	LESS	C.C6							SEG.	DESCNT
0.05	LESS	C.C6 C.1 C.2	0.09					SUM 0.5	SEG.	DESCNT
0.05 0.05 0.10	LESS	C.C6 C.1 C.2 4.1	0.09 C.4 C.9 8.4					SUM 0.5 1.1 12.5	SEG.	DESCNT
0.05 0.10 0.15	LESS C.1	C.C6 C.1 C.2 4.1 13.4	0.09 C.4 C.9 8.4 14.3					SUM 0.5 1.1 12.5 28.5	SEG.	DESCNT
0.05 0.10 0.15 0.20	LESS C.1 C.8	C.C6 C.1 C.2 4.1 13.4 21.8	0.09 C.4 C.9 8.4					SUM 0.5 1.1 12.5 28.5 26.3	SEGo	DESCNT
0 0 0 0 0 0 0 1 0 0 1 2 0 2 0	C.1 C.8 1.1 C.1	C.C6 C.1 C.2 4.1 13.4	0.09 C.4 C.9 8.4 14.3					SUM 0.5 1.1 12.5 28.5	SEGo	DESCNT
0.05 0.10 0.15 0.20	C.1 C.8 1.1 C.1	C-06 C-1 C-2 4-1 13-4 21-8 4-5	0.09 C.4 C.9 8.4 14.3					SUM 0.5 1.1 12.5 28.5 26.3	SEG.	DESCNT
0 0 0 0 0 1 0 1 0 0 1 2 0 2 2 0 3 0	C.1 C.8 1.1 C.1	C-06 C-1 C-2 4-1 13-4 21-8 4-5	0.09 C.4 C.9 E.4 14.3 3.4					SUM 0.5 1.1 12.5 28.5 26.3 4.6	\$EG•	DESCNT
0-0 0-05 0-10 0-15 0-25 0-30 SUM	LESS  C.1 C.8 1.1 C.1 2.1	C.06 C.1 C.2 4.1 12.4 21.8 4.5	0.09 C.4 C.9 8.4 14.3 3.4	C•12	0.15	2,18	0.21	SUM 0.5 1.1 12.5 28.5 26.3 4.6		
0.00 0.00 0.10 0.10 0.20 0.20 0.30 SUM	LESS  C.1 C.8 1.1 C.1 2.1 MINUTES LESS	C.06 C.1 C.2 4.1 12.4 21.8 4.5 44.0	0.09 C.4 C.9 8.4 14.3 3.4	C-12	0.15	2,18	0. 21 -18CC.	SUM 0.5 1.1 12.5 28.5 26.3 4.6		
0-0 0-05 0-10 0-15 0-20 0-25 0-30 SUM	LESS  C.1 C.8 1.1 C.1 2.1  MINUTES LESS	C.06 C.1 C.2 4.1 12.4 21.8 4.5 44.0 FCR CT/S	0.09 C.4 C.9 8.4 14.3 3.4 27.3 VS MU 0.09 C.4	C-12	0.15	CLIME	0. 21 -18CC.	SUM 0.5 1.1 12.5 28.5 26.3 4.6 73.4 BY MISSION SUM 0.5		
0-0 0-05 0-10 0-2 0-25 0-30 SUM	LESS  C.1 C.8 1.1 C.1 2.1  MINUTES LESS	C.06 C.1 C.2 4.1 12.4 21.8 4.5 44.0 FCR CT/S C.06 C.1	0.09 C.4 C.9 8.4 14.3 3.4 27.3 VS MU 0.09 C.4 C.9	C-12	0.15	CLIME	0. 21 -18CC.	SUM 0.5 1.1 12.5 28.5 26.3 4.6 73.4 BY MISSION SUM 0.5		
0-0 0-05 0-10 0-2 0-25 0-30 SUM	LESS  C.1  C.8  1.1  C.1  Z.1  MINUTES  LESS	C.06 C.1 C.2 4.1 13.4 21.8 4.5 44.0 FCR CT/S C.06 C.1	0.09 C.4 C.9 8.4 14.3 3.4 27.3 VS MU 0.09 C.4 C.9 8.4	C-12	0.15	CLIME	0. 21 -18CC.	SUM 0.5 1.1 12.5 20.5 26.3 4.6 73.4 BY MISSION SUM 0.5		
0-0 0-05 0-10 0-15 0-20 0-25 0-30 SUM	LESS  C.1 C.8 1.1 C.1 Z.1  MINUTES LESS C.1 C.8	C.06 C.1 C.2 4.1 13.4 21.8 4.5 44.0 FCR CT/S C.06 C.1	0.09 C.4 C.9 8.4 14.3 3.4 27.3 VS MU 0.09 C.4 C.9 8.4 14.3	C-12	0.15	CLIME	0. 21 -18CC.	SUM 0.5 1.1 12.5 20.5 20.3 4.6 73.4 BY MISSION SUM 0.5 1.1 12.5 20.5		
0-0 0-05 0-10 0-2 0-25 0-30 SUM	LESS  Col  Col  Col  Col  Col  Col  Col  C	C.06 C.1 C.2 4.1 13.4 21.8 4.5 44.0 FCR CT/S C.06 C.1	0.09 C.4 C.9 8.4 14.3 3.4 27.3 VS MU 0.09 C.4 C.9 8.4	C-12	0.15	CLIME	0. 21 -18CC.	SUM 0.5 1.1 12.5 20.5 26.3 4.6 73.4 BY MISSION SUM 0.5		

TABLE VI - Continued

	PINUTES	FCP CT/S	VS MU	84 8	ATE OF	CLIPB	-150C.	BY	MISSION	SEG,	ASCENT
LESS		C 2 06	0.09	C-12	0.15	C.16	0.21	• 1	SUM		
0-05 0-10 0-15 0-20 0-25		C•1							C,1		
0.30 SUP		C-1							0-1		
	MINUTES	FCP CT/S	vs Mu	64 by	TE OF	CLIMA	-1500,	RY	MISSIGN	SEG.	MANUVE
LESS 0.0		( , 76	G.59	0.12	0,15	C. 18	0,21		SUM		
0.1C 0.15 0.2C 0.25		C-1							C,1		
0-3C SLF		7-1							<b>G</b> . <b>1</b>		
	MINUTES	FCP CT/S	VS MU	RY RA	TE OF	CLIMA	-150^.	RY	MISSIUN	S :: G a	DESCNT
LESS 0.C 0.C5 0.1C 0.15 0.20 0.25 0.3C SUP	LESS C.C C.1 C.1 C.6 2.C 3.2	C06 C.4 2.5 2.C 10.2 25.8 70.8 8.6	0.09 Co8 Co7 2.0 25.5 48.0 4.4 C.2	C,12	0,15	C.,1#	0.21	3 8 7	SUM 1:2 1:3 4:1 6:3 0:8 8:4 8:8		
	INUTES	FCP CT/S	VS MU	AY PA	TE OF	CL IMB	-1500,	BY P	41 S 51 G N	\$CGa	SUP
LESS 0.0 0.05 0.10 0.15 0.20 0.25	LESS C.C C.1 C.1 C.6 3.C 3.2	C+06 C+4 C+5 2+0 1C+3 29+9 7C+8 E+6	0.09 C.8 C.7 Z.C Z5.5 48.0 4.4 C.2	C•12	C.15	C-18	0,21	36 86 76	5UM L. 2 L. 3 ko 1 b. 4 D. 9 B. 4 B. 8		

211,1

TABLE VI - Continued

	MINUTES	FCR CT/S	VS MU	BY R	ATE OF	CLIMB	-120c.	BY MISSICA	SEG.	MANUVR
LESS 0.0 C.C.S	;	C , 06	0.,99	C. 12	0,15	0,18	0.21	SUM		
0.10 0.15 0.20 0.25		C,7 C•1	Ca1					0.1 0.7 0.1		
0.30 SLA		C . 8	C . 1					0-9		
	MINUTES	FCP CT/S	VS MU	BY RA	TE OF	CLIMB	-120C,	BY MISSION	SEG,	DESCNT
	LESS	<b>:,06</b>	0,09	C.12	C. 15	C. 18	0, 21	SUM		
LESS		C-4	1-2					1 < 6		
0.0		G∈ 5 2 • 6	1 <b>.</b> 2 2 . 3					1,7 5.1		
0.10		19.0	34,6	C 3 1				54,5		
0.15		66.7	86.3	0:4				158.2		
0.20		146.8	5.7					16C. 3		
0.25		12.3						12 <sub>e</sub> 3		
0.30 SUM		248.4	135.2	0.5				393.6		
30.	,•,			04,5				J738 G		
	MINUTES	FCR CT/S	VS MU	RY RA	TE OF	CLIMA	-12CC.	BY MISSION	SEG.	STEADY
	LESS	0, 06	0.09	Ce 12	0,15	0.19	0-21	SUM		
LFSS		Col	C.1	•••	••••	• • •	<b>v</b>	C. 3		
0.0		C.O	C.C					0.1		
C. C5										
0.10 C.15										
G. 20										
0.25										
0.30										
SLM		C • 2	C • 2					0,4		
	MINUTES	FCF CT/S	VS MU	BY RA	TE OF	CLIMA	-1200.	BY MISSION	SEG.	SUP
	LESS	0.06		CVIS	C.15	C.18	0. 21	SUM		
LESS O°C		C+5	1 o 3 1 ., 2					1.9 1.8		
0.05		2.6	2.3					5. l		
0.10		15.0	3406	C. 1				54, 5		
0.15	4,8	6607	86.4	0 4				158,3		
0.20		147,5	9,7					161.C		
0.25		12.4						12.4		
0.30										

TABLE VI - Continued

	MINUTES	FCR CT/	'S VS MU	BY R	ATE OF	CLINE	-90c.	BY	MISSIUN	SEGn	ASCENT	
LESS 0.0	t	C-4	0-09 C-4 C-3	C+12	0.15	0.018	0 - 21	(	SUM 0			
0. C 5		C-1						(	0 - 1			
0.10	}	C.3	C-1					(	2,4			
0.15	i	C•3	C., 2						3. 5			
0.20	,	C.7	C-3					1	Le G			
0. 25	i											
0.30												
SUP		2.0	1.3					3	3 , 3			
	MINUTES	FCR CT/	S VS PU	BY R	ATE OF	CL IPB	-900-	BY M	ISSION	SEG.	MANUVP	
										400		
LESS	LESS	C-06	0.09	C+12	0.15	C,18	0.21	5	SUM			
0.0												
0.05												
0-10												
0.15		C-1						0	)• 1			
0-20		C.6							. 6			
0.25												
0-30												
SUP		C.7						0	. 7			
	PINUTES	FOR CT/	S VS MU	BY R	ATE OF	CLIMA	-90C+	BY M	ISSION	SFG.	DESCNT	
	LESS	C.06		C-12			0.21		UP			
LESS		3.2	0.,09 4.9	C-12	0415	C 2 T 0	0421		6			
0.0	_	2.0	2.2						• 6			
0.05		10.1	14.3						. 7			
0-10		43.5	76.6					129				
0.15		122.1	114.7	0.5				249				
0-20		187.0	7.7	307				204	-			
0-25		11.0	• • •					11				
0-30		1140						••	• •			
SUP		378.9	22C• =	0.5				633	• 1			
	MINUTES	FCR CT/	S VS MU	BY P	ATE OF	CLIMA	-90C,	BY M	ADIEZI	S=G.	STEADY	•
	LEES	C 2 0 6	0,09	C.12	0.,15	C.18	C : 21	,	UM			
LESS		1.5	C.8	~415		2310	4 : 61		. 3			
C.C		C-7	C. 0						9			
0.05		C 7 1	3, •					·	•			
0.10			C . 2					C	, 2			
0-15	C • 1	2.7	5.0						r 8			
0.20		4.4	C 2						,6			
0.25		107	472					-	, •			
0.3C												
SLF	C•3	9.2	3., 2					12	. 8			
30.		.4.	J., L						. •			

## TABLE VI - Continued

	MINUTES	FOR CT/S	S VS MU			CLIMB	-900,	BY MISSIGN	SEG.	SUP
UESS 0.00 0.05 0.10 0.15	C.5 1.4 8.8 12.1	C306 5-1 3-0 1C-2 4738 125-2 192-7	0,09 6.1 2,6 14c3 76c9 116u9 8.2	0.5	0,15	0:18	C - 21	11.7 6.0 25.8 129.6 254.7 211.1	•	
0.25		11:0						11.0		
SUP		390.9	225,0	0. 5				649.9		
	MINUTES	FCR CT/	S VS MU	BY RA	TE OF	CFIME	-600,	BY MISSION	ScG,	ASCENT
	LFSS	C.06	0 39	C.12	C. 15	C - 18	0 : 21	SUP		
LESS		1.2	5.2					6:4		
0.0		1 .6	2. 1					3.8		
0. C5		G-6	Co7					1,5		
0.10		5.9 4.1	1.6 4.3			•		2 • 5 8 <u>·</u> 4		
C- 20		3.7	5,4					1G.3		
0.25		C > 3	544					6,3		
0.30		(,)						0,5		
SUM		19,5	14.3					33,3		
	MINUTES	FOR CT/S	S VS MU	BY RA	TE OF	CLIMB	-600,	BY MISSICE	SEG.	MANUVR
LESS 0.0		Ç - 06	0.09	0.12	0,15	C- 18	0.21	SUM		
0.05		C. 1						0.1		
0.15		1.3	C 13					0.1 1.6		
0.20		4,4	413					404		
0.25		C : 1						0-1		
0.30		• • •						• •		
SUM		5.8	C.3					6.1		
	MINLTES	FCP CT/S	S VS MU	BY PA	TE OF	CL I MB	-60C,	BY MISSION	STG.	DESCNT
	LESS	C.06	C,79	C.12	0,15	C-18	C , 21	SUM		
LESS	3.6	14.7	505					29.7.		
0.C		14.0	9-1					25:0		
0.C5		36,8	33.6					77.5		
C-10			100.7					185.3		
0.15		7 - 6 - 0	152.3	0 3				329,8		
0.20		245.7	13-0					271,9		
0-25		9.6	C , 2					9, 9		
0.3G		552,1	319.2	0.3				929, 0		
	- , ,, ,									

TABLE VI - Continued

	MINUTES	FCR CT/	S VS MU	PYR	ATE OF	CLIMB	-600,	BY MISSION	SrG.	STEADY	
	LESS	Ca 96	\$109	C : 12	0,15	C. 18	0 , 21	SUM			
LESS			2+3		.,		• / • •	142C			
0.0		5.6	629					7.5			
0-05			437					0,4			
0.10											
		1-2	5.9					7 . 1			
0.15		13.1	30.6	0,3				4451			
0.20			2.2					7509			
0.25		2 . 3						2,3			
0.30											1
SUM	3.1	106,1	42.0	0,, 3				151.4			
	MINLTES	FCP CT	S VS MU	BY A	ATE OF	CLIMB	-600,	BY MISSION	SEG,	SU₽	
	LESS	0.96	0.09	C.12	0.15	C. 18	0. 21	SUM			
LESS			17.C		* =	-	_	56.1			
0.0			12-1					36-4			
0.05			34.3					79.4			
0-10			108.1					195. C			
0.15			186.5	0., 6				383, 8			
0.20		333.0	15.7	0., 0				362.5			
0.25		12.4	C , 2					12.7			
		1407	632					164			
0.3C		469 4	275 0	0.4				1110 0			
SLM	6100	682.4	375.8	0.6				1119, 9			
	PINUTES	FCP CT/	'S VS MU	8Y R	ATE OF	CLIMB	-300,	BY MISSION	SEG.	ASCENT	
	LESS	0.06	0-09	C.12	0,15	0-18	0 , 21	SUM			
LESS		44.0	74.3		0317	0.16	0321	123,2			
0.0	2.1	-						4100			
-	_	15.9	23.0								
0.05		19.0	17.4					37.4			
0.10		34.3	1250	0-4				159.9			
0.15		135.5	261.8	1,2				399,9			
0.2C		225.1	6.4					232.6			
0-25		2.4	C+4					2 c 8			
0.3C											
SLM	1C•7	476.2	508.4	1.6				996. 9			
1	<b>V1A: TE</b> C	ECD CT/	S VS MU	8 V D	ATE OF	CLINE	-300-	BY MISSION	SEC-	MANITUD	•
•									3004	HANOVA	
LESS	LE33	C.06	0.09	U • 12	0.13	0.18	U- 21	SUM			
0. C											
0.05											
0.10		C.1						C- 1			
0.15		6.7						6.7			
0.20		35.0						35.C			
0.25		C.5						0.5			
0.30		000						<b>U</b>			
		42 2						42,3			
SUP		42.3						7435			

## TABLE VI - Continued

	PINUTES	FOR	СТ	/s vs	MU	BY I	PATE OF	CLIMB	-300,	BY MISSION	SEG.	DESCNT
	LESS					C-12	0-15	Ce 18	0c 21			
LESS			. 6							96.2		
0.0	-		• 0	22.						87.3		
0.05				36.						124.7		
0.10	15.8	12	• 2	8C.	0					168.1		
0.15		1/3				0.3				380.7		
0.20					, 4					338-4		
0.25		7	• 1							9.2		
SLA		742	. 6	361.	•	0.3				1204,6		
367	1761	763	•	3014	••	00,5				120490		
	MINITES	ECO	CT	18 VS	Mil	DV 1	BATE OF	CLINA	-300	BY MISSION	SEC	STEADY
											3500	STEADT
				9.0		C.12	0.15	0.18	0.21			
LESS				33.						349.0		
0.0										162.5		
0.05				14.						37.9		
0.10						0.2				322.3		
0.15				36.		8.0				1850.9		
0. 25				l		1.6				2267•1 99•6		
0.30		70	• >	14						776 0		
SLM		3371	• 3	1627.	9	9.8				5089.2		
	MINUTES	FCR	CT	/s vs	ΜU	BY F	TATE OF	CLIMB	-300,	BY MISSION	SEG.	SUP
											SEG⊕	SUP
LESS	LESS	C.	06	/S VS 0.0 128	9			CLIMB C-18			SEG.	SUP
	LESS 51.4	C. 368	06	0.0	9					SUM	SEG <sub>•</sub>	SUP
LESS	LESS 51.4 23.2	C. 368 2C9	06 • 8 • 5	0.0 128, 58.	)9 .1					SUM 568.3	SEG <sub>•</sub>	SUP
LESS 0.0 0.05 0.10	LESS 51.4 23.2 13.8 16.4	C. 368 2C9 117 168	06 • 8 • 5 • 8	0.0 128 58 68 68	9 1 1 1 4 5	C•12				SUM 568.3 290.8	SEG•	SUP
LESS 0.0 0.05 0.10	LESS 51.4 23.2 13.8 16.4 21.3	C. 388 209 117 168 884	06 •8 •5 •8 •8	0.0 128n 580 680 464.1	9 1 1 1 4 5 8	0.6 9.5				SUM 568.3 290.8 200.0 650.4 2638.2	SEG⊕	SUP
LESS 0.0 0.05 0.15 0.15	LESS 51.4 23.2 13.8 16.4 21.3	G. 368 209 117 168 884 2773	06 •8 •5 •8 •6	0.0 128, 58, 68, 464, 1722,	9 1 1 1 4 5 8 8 0	C•12				SUM 568.3 290.8 200.0 650.4 2638.2 2873.1	SEG <sub>•</sub>	SUP
LESS 0.0 0.05 0.15 0.15 0.20 0.25	LESS 51.4 23.2 13.8 16.4 21.3 44.3	G. 368 209 117 168 884 2773	06 •8 •5 •8 •6	0.0 128n 580 680 464.1	9 1 1 1 4 5 8 8 0	0.6 9.5				SUM 568.3 290.8 200.0 650.4 2638.2	SEG <sub>e</sub>	SUP
LESS 0.0 0.05 0.15 0.15 0.20 0.25 0.30	LESS 51.4 23.2 13.8 16.4 21.3 44.3 0.1	0. 368 209 117 168 884 2773	06 •8 •8 •8 •6 •2 •5	0.0 128n 58a 68a 464. 1722a 54a	9 1 1 4 5 8 0 6	0.6 9.5 1.6				SUM 568.3 290.8 200.0 650.4 2638.2 2873.1 112.2	SEG⊕	SUP
LESS 0.0 0.05 0.15 0.15 0.20 0.25	LESS 51.4 23.2 13.8 16.4 21.3 44.3 0.1	0. 368 209 117 168 884 2773	06 •8 •8 •8 •6 •2 •5	0.0 128n 58a 68a 464. 1722a 54a	9 1 1 4 5 8 0 6	0.6 9.5				SUM 568.3 290.8 200.0 650.4 2638.2 2873.1	SEG•	SUP
LESS 0.0 0.05 0.15 0.20 0.25 0.30 SUM	LESS 51.4 23.2 13.8 16.4 21.3 44.3 0.1	209 117 168 884 2773 110	06 •8 •8 •6 •2 •5	0.0 128, 58, 68, 464, 1722, 54, 10,	9 1 1 4 5 8 0 6 6 4	0.6 9.5 1.6		C-18	0.21	SUM 568.3 290.8 200.0 650.4 2638.2 2873.1 112.2		
LESS 0.0 0.05 0.15 0.20 0.25 0.30 SUM	LESS 51.4 23.2 13.8 16.4 21.3 44.3 0.1	209 117 168 884 2773 110	06 •8 •8 •8 •6 •2 •5	0.0 128, 58, 68, 464, 1722, 54, 10,	9 1 1 4 5 8 0 6	0.6 9.5 1.6	0.15	C-18	0.21	SUM 568.3 290.8 200.0 650.4 2638.2 2873.1 112.2		
LESS 0.0 0.05 0.15 0.20 0.25 0.30 SUM	LESS 51.4 23.2 13.8 16.4 21.3 44.3 0.1 17C.6	Co 388 209 117 168 884 2773 110 4653	06 •8 •5 •8 •6 •2 •5 •2	0.0 128, 58, 68, 464, 1722, 54, 10, 2497,	09 11 14 15 18 10 16 14	0.6 9.5 1.6 11.7	0.15	C.18	300,	SUM 568.3 290.8 200.0 650.4 2638.2 2873.1 112.2 7332.9		
LESS 0-0 0-05 0-15 0-20 0-25 0-30 SUM	LESS 51.4 23.2 13.8 16.4 21.3 44.3 0.1 17C.6	Co 388 209 117 168 884 2773 110 4653 FOR	06 •8 •8 •8 •6 •2 •2 •2 •2 •2 •4 •6 •6 •6 •6 •6 •6 •6 •6 •6 •6	0.0 128, 58, 68, 464, 1722, 54, 10, 2497,	99 11 14 14 15 18 10 10 10 19 2	0.6 9.5 1.6 11.7	0.15	C.18	300,	SUM 568.3 290.8 200.0 650.4 2638.2 2873.1 112.2 7332.9 BY MISSION SUM		
LESS 0.0 0.05 0.15 0.20 0.25 0.30 SUM	LESS 51.4 23.2 13.8 16.4 21.3 44.3 0.1 17C.6	Co 388 209 117 168 884 2773 110 4653 FOR	068-58-6-2-5 -2 CT/	0.0 128, 58, 68, 464, 1722, 54, 10, 2497, 75 VS 0.0 29, 17, 33,	99 11 14 15 18 10 16 16 17 19 19 29 2	0.6 9.5 1.6 11.7	0.15	C.18	300,	SUM 568.3 290.8 200.0 650.4 2638.2 2873.1 112.2 7332.9 BY MISSION SUM 56.8 33.5 52.9		
LESS 0-0 0-15 0-15 0-20 0-25 0-30 SUM	LESS 51.4 23.2 13.8 16.4 21.3 44.3 0.1 17C.6 MINUTES LESS 2.5 C.4 1.9 C.3	Co 388 209 117 168 884 2773 110 4653 FOR	068-58-6-25 - 2 CT 061-29-3	0.0 128, 58, 68, 464, 1722, 54, 10, 2497, 75 VS 0.0 29, 17, 33, 181,	99 11 14 15 18 10 16 16 19 29 29 29	0.6 9.5 1.6 11.7 BY R	0.15	C.18	300,	SUM 568.3 290.8 200.0 650.4 2638.2 2873.1 112.2 7332.9 BY MISSION SUM 56.8 33.5 52.9 229.8		
LESS 0-0 0-15 0-15 0-20 0-25 0-30 SUM	LESS 51.4 23.2 13.8 16.4 21.3 44.3 0.1 17C.6 FINUTES LESS 2.5 C.4 1.9 C.3 1.9	Co 388 209 117 168 884 2773 110 4653 FOR Co 15,	06 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	0.0 128, 58, 68, 464, 1722, 54, 10, 2497, 75 VS 0.0 29, 17, 33,	99 11 14 15 18 10 16 16 19 29 29 29	0.6 9.5 1.6 11.7 BY R	0.15	C.18	300,	SUM 568.3 290.8 200.0 650.4 2638.2 2873.1 112.2 7332.9 BY MISSION SUM 56.8 33.5 52.9 229.8 326.C		
LESS 0-0 0-15 0-15 0-20 0-25 0-30 SUM	LESS 51.4 23.2 13.8 16.4 21.3 44.3 0.1 17C.6 FINUTES LESS 2.5 C.4 1.9 C.3 1.9 2.0	Co 388 209 117 168 884 2773 110 4653 FOR Co 15, 17, 47, 144, 57	068-58-88-625 - 2 CT/ 0612-93-09-9	0.0 128, 58, 68, 464, 1722, 54, 10, 2497, 75 VS 0.0 29, 17, 33, 181, 179,	09 11 14 15 18 10 16 17 19 19 19 19 19 19 19 19 19 19 19 19 19	0.6 9.5 1.6 11.7 BY R	0.15	C.18	300,	SUM 568.3 290.8 200.0 650.4 2638.2 2873.1 112.2 7332.9 BY MISSION SUM 56.8 33.5 52.9 229.8 326.C 104.2		
LESS 0-0 0-15 0-20 0-25 0-30 SUM LESS 0-0 0-05 0-10 0-15 0-20 0-25	LESS 51.4 23.2 13.8 16.4 21.3 44.3 0.1 17C.6 MINUTES LESS 2.5 C.4 1.9 C.3 1.9 2.C	Co 388 209 117 168 884 2773 110 4653 FOR Co 15, 17, 47, 144, 57	06 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	0.0 128, 58, 68, 464, 1722, 54, 10, 2497, 75 VS 0.0 29, 17, 33, 181, 179,	09 11 14 15 18 10 16 17 19 19 19 19 19 19 19 19 19 19 19 19 19	0.6 9.5 1.6 11.7 BY R	0.15	C.18	300,	SUM 568.3 290.8 200.0 650.4 2638.2 2873.1 112.2 7332.9 BY MISSION SUM 56.8 33.5 52.9 229.8 326.C		
LESS 0-0 0-15 0-15 0-20 0-25 0-30 SUM	LESS 51.4 23.2 13.8 16.4 21.3 44.3 0.1 17C.6 MINUTES LESS 2.5 C.4 1.9 C.3 1.9 2.C	Co 388 209 117 168 884 2773 110 4653 FOR Co 15, 17, 47, 144, 57	06	0.0 128, 58, 68, 464, 1722, 54, 10, 2497, 75 VS 0.0 29, 17, 33, 181, 179,	09 11 14 15 18 10 16 19 19 29 29 73 2	0.6 9.5 1.6 11.7 BY R	0.15	C.18	300,	SUM 568.3 290.8 200.0 650.4 2638.2 2873.1 112.2 7332.9 BY MISSION SUM 56.8 33.5 52.9 229.8 326.C 104.2		

TABLE VI - Continued

FIRUTES FOR CT/S VS MU BY RATE OF CLIMR 300. BY MISSION SEG. MANUVA

	PINOIES	FUR CIT	2 42 MO	D1 1	AIC UP	CLIPH	3000	D1 4123104	3600	HANDER	
	LESS	C-06	0.09	C-12	0-15	C-18	0, 21	SUM			
LESS							0				
0.0											
0.05											•
0.10											
0.15		0.8	Ce 4					1.2			
0.20		3.6	C-1					3.7			
0.25		C-1						0.1			
0.30											•
SUP		4.5	0.5					5.0			
	PINUTES	FCR CT/	'S VS' MU	BY	PATE OF	CLIMB		BY MISSION	\$EG•	DESCNT	
	LESS	C.06	0-09	C. 12	0.15	0.18	0.21	SUM			
LESS		1.7	1.7					404			
0.0		4.7	2.1					9.3			
0.05		2.0	1.3					3.6			
0.10			1.8					5,4			
0.15		5.4	6.5					13.0 11.0			
0.25		9.5 C.4	C. 6 C. 1					0.5			
0.30		C. 4						0.7			
SUF		26.4	15.0					47.2			
								1.51.1			
	PINUTES	FCR CT/	S VS MU	BY R	ATE OF	CLIMB	3CC.	BY MISSION	SEG.	STEADY	
		-							0.1.0	· · · · · ·	
	LESS	C.06	0.09	C-12	0.15	0.18	0.21	SUM			
LESS		7.5	1.4					9.8			
0.0	C-4	3.0	1.0					4.5			
0.05		C.5						0.5			
0.10	0.2	1.6	9. 6					11.6			
0-15	C-2	19.6	29.1	0 <sub>e</sub> 2				49.2			
0.20 0.25	C.8	59.2 1.9	1.0 C.1					61.C 2.0			
0.30		10.9	CO I					200			
SUP	2.5	93.4	42.5	0.2				138.6			
30.	200	,,,,,	1200	•••				23060			
	V18117EC	FOR CT/	C VC MII	AV D	ATE OF	CIIMB	300-	BY MISSION	Sec.	SUP	
	FINGLES	704 617	3 13 110	91 6	-10 01	CETED	300	01 7133104	3404	301	
_	LESS	C.06	0.09	C-12	0.15	0.18	0.21	SUM			
<b>LESS</b>	4.3	24.3	32.3					70.9			
0.0	2.3	22.9	22.1					473			
0. C5	2.3	2C-3	34.4					57.0			•
0.10	1.3	51.8	193.4	0.3				246.8			
0.15 0.20	3.2	169.8 170.2	215.7 6.0	0.6				389.3 180.0			
0.25	3 € €	4.0	C. 4					4.4			
0.30		7.0						7 7			
SLM	17.2	473.3	504.4	0.9				995,8			
			•	•							

TABLE VI - Continued

	MINUTES	FCR CT/S	VS MU	BY R	ATE OF	CLINB	60C,	BY MISSION	SFG.	ASCENT
	LESS	0.06	0.09	C-12	0-15	0.18	0. 21	SUM		
LESS			9, 2		00.0	••••		25.1		
		8.7	7.6					16.9		
0.0		13.0	24.4					43,3		
0.C5		17.0	2404					224.7		
0.10		57.8								
0.15	4.4			0-1				249.5		
0.20			1.9					38.0		
0.25		C.8						0.8		
0.30				= -						
SUP	12.0	266.0	320.2	0.1				598.3		
	PINUTES	FOR CT/S	VS MU	BY R	ATE OF	CLIPB	60C,	BY MISSION	SEG.	DESCNT
	LESS	C < 06	0,09	C-12	0.15	0,18	0.21	SUP		
LESS		C. 5	C.7					1.4		
0.0	E-3	C.6						1.6		
0. C5		C • 1	C. 1					0.2		
0.10		C.4	C-4					G. 8		
0.15	C.1	0.8	C. 3					1.2		
0.20	!	1.6						1.6		
0.25	i									
0.30										
SUM	C.5	3.9	2.3					6,8		
	PINUTES	FCR CT/S	VS MU	BY PA	TE OF	CLIMB	60C.	BY MISSION	SEG.	STEADY
	LESS	0.06	0.09	C-12	0-15	C,18	C. 21	SUM		
LESS		1.9	C. 1	COLL	04.	0,10	0,21	2.3		
0.0		1.3	C.O					1.7		
0.05		0.2						6.3		
0.10		C.1	C.6					0.7		
0.15		2.8	3:2					6.1		
0.20		5.4	0.2					5.6		
0.25		707						230		
0.30										
SUP		11.7	4.1					14.4		
307	<b>C</b> • 6	4401	701					16.6		
	MINHTEE	ECO CT/5	VC MII	0 V 6	TE OF	CLIMA	405	AV MICHICA		Cith
	- Laule2	FOR CT/S	43 MU	01 41	ATE OF	CLIPE	000,	BY MISSICN	3600	SUP
	LESS	6.06	0.09	C.12	0.15	0,18	0, 21	SUM		
LESS		17.0	1C.0			,		28.7		
0.0		10.6	8.5					20.2		
0. C5		17.3	24.5					43.8		
0.10			165.1					226.2		
0.15			116.6	0.1				256.8		
0.20		42.0	2 e 1					45.1		
0. 25		0.8						0,8		
0.30		3.4.4						<b>.</b> , .		
SUP		281.5	326.7	0.1				621,7		
J -										

TABLE VI - Continued

	MINUTES	FCR CT/	S VS MU	BY P	ATE OF	CLIMB	900,	BY MISSION	SEG.	ASCENT	
	LESS	C- 26	0.09	C. 12	0.15	C.18	G: 21	SUM			
LESS		5.2	1.0					7.4			
0.0		6.7	1.8					9.4			
0.05	1.2	12.7	6.0					21.8			•
0.10	1.4	65.3	72.2					138.9			
0.15		130.5	45.3	0.1				180,1			
0.20		23.3	C. 9					24,8			
0.25		C-2	•••				•	0.2			
0.30								002			
SUM		243.9	129,1	0.1				202 4			*
366	9.5	27507	127)1	0.1				382.6			
	MINUTES	FCR CT	S VS MU	BY F	PATE OF	CLIMB	900.	BY MISSION	SEG.	MANUVR	
	LESS	(.06	0.09	C-12	0.15	C.18	0.21	SUP			
LESS		.,,,,	0,000	****	•••	••••	-	•••			
0.0											
0.0											
0.10											
0.1		0.1						0.1			
0.20		C-4						0.4			
0.2											
0.30											
SU	•	C.5						0.5			
	PINUTES	FCR CT/	S VS MU	BY P	ATE OF	CLIMB	90C,	BY MISSION	SEG.	STEADY	
	LESS	0.06	0.30	<b>6</b> 12	C.15	C. 18	C. 21	MUZ			
LESS		(300	C. 09	411	6019	C# 10	62 21	30m			
0.0											
0. C5											
0.10											
0.15											
0.20	C-1							C. 1			
0.25											
0.30	!										
SLM								C. 1			
	M441:074	500 CT	. v. w.	ev *	ATE OF	CL THD	001	BY MISSICA	CCC	CIIF	
	MINUTES	FUN CIT	2 A2 MA			CLIMB		p1 -1221CF	3663	SUP	•
	LESS	C+06	C, 29	C-12	0.15	C-18	0,21	SUP			
LESS		5.2	1.C					7.4			
0.0		6.7	1.8					9.4			
0. C5		12.7	6.0					21,8			
0.10		65.3	72.2					138.9			•
		130.6	45.3	0.1				180,2			
0.15				09.1				25.3			
0.20		23.7	C. 9								
0.25		C., 2						0,2			
0.30											
SUP	9.6	244.4	129.1	0.1				383.2			

TABLE VI - Continued

MINUTES FOR CT/S VS MU BY RATE OF CLIMB 1200, BY MISSION SEG. ASCENT

	LESS	0.06	0.09	0.12	0.15	C. 18	0 - 21	SUM		
LESS			1.1	3012	0017	6910	0,11	6.7		
0.0	_	4.7						6-4		
			C- 9							
0.C5		1C-1	1.6					12.8		
0.10		63.6	19.1					85. C		
0.15		71.8	12.5					85,9		
0.20		5.0	C.3					5.3		
0.25										
0.30										
SLM	6.6	16C-2	35.5					202.3		
	MINUTES	FCR CT/S	VS MU	BY R	ATE OF	CLIMB	12CO.	BY MISSION	SEG.	MANUVR
	LESS	C.06	0.09	Ce 12	3.15	C. 18	0., 21	SUM		
LESS										
0.0										
0. C5										
0.10									•	
0.15			Col					G = 1		
Ü- 20		C • 3	031					0.3		
0.25		( 6 5						06.3		
0.30										
SUM		C.3	C-1					0.4		
	MINUTES	FCR CT/S	VS MU	BY PA	TE OF	CLIMB	120C.	BY MISSION	SEG.	SUP
	LESS	0,06	0.09	C-12	0-15	C. 18	C- 21	SUM		
LESS			1.1		•••	00.0		6.7		
0.0		4.7	C, 9					6.4		
0.05		1C-1	1.6					12,8		
0.10										
			15,1					85. G		
0.15		71.8	1206					86.0		
C. 2C		5.3	0:3					5.6		
0.25										
0-30		27.00								
SLF	6.6	160,5	35.6					202.7		
		500 CT/C	uc Mi	nv 04	TC 05	C1 140	1500		5.56	
	MINGLE2	FCH C1/2	A2 MO	BT WA	ile ur	CLIMB	12004	BY MISSION	2500	A 2 CEN I
	LESS	CeC6	0:09	C-12	0.15	0.18	0. 21	SUP		
LESS		3.7	Cc3					4.6		
0.0		2.1	C . 2					2. B		
0. C5	2.8	7.1	C-4					10.3		
0.10		24,8	2,9					31.5		
0.15	_	33.9	2.3					37.0		
0.20		1.8						1.8		
0.25										
0.30										
SUM		73.3	7-1					87. 9		

## TABLE VI - Continued

	PINUTES	FCR CT/S	VS MU	BY P	ATE OF	CLIMB	150C,	BY MISSION	SFG.	SU₽	
	LESS	C.06	0.09	0.12	0-15	0.18	0 21	SUM			
LESS		3.7	0.3	C.1.2	0010	0.10	0321	4.6			
0.0		2.1	C-2					2.8			
0.05		7.1	0.4					10.3			
0.10		24.8						31.5			
			3.9								
0.15		33.9	2.3					37.0			
0. 20		1.8						1.8			
0.25											
0.30			_ []								
SUM	7.5	73.3	7.1					B7•9			
	PINUTES	FCR CT/S	VS MU	BY PA	ATE OF	CLIMB	1800,	BY ISSION	SEG.	ASCENT	
	LESS	C. C6	0.09	C.12	0.15	C.18	0:21	SUM			
LESS		C. 8	V . U 7		0017	4414	0121	1.3			
0.0	C•3	1.9						2, 2			
0.05		5.3	C-1					5.7			
0.10		17.5	2.0					20.7			
0.15		15.0	1.1					16,5			
0. ZO		1.2	C• 3					1.5			
0.25		102	(0)					100			
0.30											
SUP		41.6	3.5					48.0			
366	207	4100	300					7000			
		FCR CT/S						BY MISSION	SEG.	SUP	
	LESS		0,09	C.12	0.15	0.18	0.21	SUM			
LESS		0.8						1.3			
0.0		1.9						2,2			
0.05		5.3	C-1					5.7			
0.10		17.5	2.0					20.7			
0.15		15.0	1.1					16.5			
0.20		1.2	C.3					1.5			
0.25											
0.30			w 1					104 12			
SUP	2.9	41.6	3.5					48.0			
	PINUTES	FCR CT/S	VS MU	BY P	ATE OF	CLIMB	2100,	RY MISSION	SEG.	ASCENT	•
	LESS	C-06	0.09	C.12	0.15	0.18	Cc 21	SUP			
LESS								1,2			
0.0		1.1	C. 1					1,3			
0.0		2.7	C-1					3.4			
0.10		14.7	C. 9					17.7			•
0.15		7.3	C-3					7.9			
0. 20		C • 2	C - 3					C. 5			
0.25											
0.30											
SLP		26.9	1.6					32,0			
30.											

## TABLE VI - Concluded

	MINUTES	FCP CT/	S VS MU	BY P	ATE OF	CLIMB	2100,	BY MISSION SE	Gn SUM
	LESS	C-06	0.09	C-12	0.15	0.10	0.21	SUM	
LES!	5 C.4	C.8						1.2	
0.0	C-1	1.1	C-1					1.3	
0.0		2.7	Ce 1					3.4	
0.10		14.7	0.9					17.7	
0.1	_	7.3	C. 3					7.9	
								0.5	
0.20		C-2	C.3					06.7	
0.29									
0.30								22 2	
SLI	2.5	26.9	leé					32.0	
	PINUTES	FCP CT/	S VS MU	BY #	ATE OF	CLIMB	SUF,	BY MISSION SE	G. SUM
	LESS	C-06	0.09	C-12	0.15	C-18	0.21	SUM	
LESS			198.2					754.6	
0.0		284.9						426.1	
0.0			191.5					470-5	
0.10		616.2		1.0				1850-0	
								7 15 77 1	
0.1		1869.4		11.8				4540.3	
0.20		3864.6	107-3	1.6				3996.3	
0. 22	C.3	168.7	2.4					171.4	
0.30									
S1:1	745.2	7481-4	4147-0	14-4			•	2209.1	

TABLE VII. TIME FOR ENGINE TORQUE VERSUS AIRSPEED BY WEIGHT AND ALTITUDE, SAMPLE I

	<b>#INUTES</b>	FOR TOR	OUE1 VS	ATRSPEED	87 WET	GHT	LESS.	BY AL	30UT1T	2000				
LESS 40 60	LESS C <sub>4</sub> 3 0.5	10 C-2	20	0° 5	40	50	40	70	8)	90	100	110	120	SUM G: 8 0: 5
65 70 75 80 85 90 95 100 105 110	C.4 C.1 C.6	0.6	0.3 0.7	0										0 4 0,1 0.8 0.9 3.0 6.5 1.2 0,2
120 SUP	1.9	0.6	1.0	10.7										14.4
	⊭INUTES	FOR TOR	QUEZ VS	AIRSPEE	NY WEI	GHT	LESS.	BY AL	TITUOF	2000				
LESS 40		10 C.5	20 C• 1	30 0.7	40	50	60	70	8)	90	100	110	120	SUM 0.8 0.5
60 65 70 75 80 85 90 95 100 110			0.4 C.1 0.6 C.6 C.3 0.4 0.3	0.2 0.3 2.7 6.1 0.9 0.2			•							0.4 0.1 0.8 0.9 3.0 6.5 1.2 0.2
120 SLP		G. 5	2.7	11.2										14.4
	MINUTES	FCR TOR	QUE1 VS	AIRSPEEC	BY WEI	GH*	LESS.	RY AL	TITUDE	SUP	•			
LESS 40	C.5	10 C-2	20	30 0 <sub>4</sub> 2	40	5C	۲0	70	.0 ,	.93	100	110	120	5UM 0.8 0.5
60 65 70 75 80 85 90 95 100 105	C.4 C.1 C.6	2.6	C.3 C.7	0 • 2 0 • 3 2 • 7 5 • 8 1 • 2 0 • 2										0:4 9:1 0:8 0:9 3:9 6:5 1:2 2:2
120 SUP		0.8	1.0	10.7										14.4

TABLE VII - Continued

!	MINUTES	FOR TOR	QUEZ VS	AIRSPEE	D SA ME	IGHT	LESS,	BA WE	TITUDE	SUP	,			
LESS 4C 60	LESS	10 C-5	20 0-1	30 0•7	40	50	60	70	•0	90	100	110	120	SUM 0.8 0.5
65 70 75 80 85 90 95 100 105 110			0.4 0.1 0.6 0.6 0.3 0.4 0.3	0.2 0.3 2.7 6.1 0.9 0.2										0.4 0.1 0.8 0.9 3.0 6.5 1.2 0.2
120 SUP		0.5	2.7	11.2										14.4
,	PIAUTES	FCP TOR	QUE1 VS	AIRSPFE	) 8Y WE	I GHT	2100C.	BY AL	TITUDE	LESS				
LESS	LESS	10 0• 2	20 C. 1	30 0•2	40	50	60	70	6.5	90	100	110	120	SUM 0.5
40 60 65	0.3 C.2													0.3
70 75 80 85 90 95 100 110 115														
SUP	C.5	G+Z FCR TORG	C.1	0.2	) NY WE	T GHT	21000.	BY 4L1	TITUDE	LESS				1.0
LESS	LESS	10	50	30 0.1	40 C. 2	50	60	70	8)	90	100	110	120	SUM
4 C			C+ 3	•••	V.2									0.5
65 70 75 80 85 90 95 100 105 110			C• 2											0.2
SLM			C.7	3.1	C• 2									1.0

TABLE VII - Continued

	PINUTES	FOR TOR	QUE1 VS	ATRSPEED	BY W	EIGHT	2100C.	BY AL	TITUDE	100C				
LESS 40 60 70 75 80 85 90 95 100 105	LESS 2.7 G.8 C.4 C.3 C.4 G.3	10 2.4 1.3 0.1 0.1 0.1 0.1 0.5	20 4.9 1.2 C.1	30 3=0 0=4 0=2	40 4.9	50 0•9 0•2	60 0.5 0.2	70 0.9	8.3	90 0.1	100	110	120	SUM 20,2 4,2 0,8 0,4 0,5 0,4 0,5 0,8 0,5
115 120 SUP	5.0	4.6	7.4	3.6	4.9	1.1	0.7	0• 9		0.1				28.3
,	<b>PINUTES</b>	FOR TOR	QUE2 VS	AIRSPEED	8Y N	IE I GHT	2100c.	BY AL	TITUOE	:000				
LESS 40 60 65 70 75 80 85 95 100 110	LESS 2.8 2.5 C.6 C.2 C.1	10 2.0 0.9 0.2 0.1 0.1 0.1	20 7.4 0.4 0.0 0.3 0.3 0.2 0.3	30 5.0 0.7 0.5	40 2.0 0.4	50 0-1	60	70	••	90	100	110	120	SUM 20:2 4:2 0:8 0:4 0:5 0:4 0:1 0:5 0:5
120 SUP	6.1	4.7	9.1	6.2	2.5	0.1								28.3
	PIAUTES	FOR TOR	QUEL VS	ATRSPEE	87 1	EIGHT	21000.	87 AL	TITUDE	2000				
LESS 40 65 70 75 00 05 100 105 110	LESS C-2 3-1 1-0 C-7 1-4 3-7 4-1 2-8 9-6 3-4 C-4	10 1.7 1.6 2.0 1.9 C.7 1.0 2.0 2.0 2.0 2.0 1.6 C.5 C.4	20 202 204 002 Col 202 204 505 600 708 306 207 100 Col	30 6.8 3.6 1.0 1.3 3.1 4.9 8.6 15.1 22.6 5.0 5.2 2.2 0.3	40 9.4 3.3 2.0 2.1 1.6 5.5 4.7 7.6 3.3 1.3	50 2-6 3-5 1-1 6-4 0-1 1-7 1-5 2-5 0-3	60 1.1 0,4 0,2 1.1 0.3 0.2 0.2 0.1 0.3 2.2	70 0.6 0.1 0.1	•:	90	100	110	120	SUM 24-7 18-0 7-6 7-7 9-3 18-5 24-6 41-2 55-5 24-2 13-9 7-0 2-1 U-3
SUP	30.5	36.1	36.3	61.6	50.7	14-3	4 1	0. 8						254.6

TABLE VII - Continued

<b>#1</b>	PUTES	FOR TOR	QUE2 VS	AIRSPE	ED BY WE	ELGHT	21000,	BY AL	TITUDE	2000				
	LESS	10	20	30	40	50	60	70	80	90	100	110	120	SUM
LESS	3.0	1.8	4.4	7.7	4.2	2.4	0.4	0.7		•	•••			24.7
40	5.5	4.0	1.0	1.6	4.9	0.4	0.6							18.0
60	1.6	1.3	C- 2	1.7	1.9	0.2	0.4	0. Z						7.6
65	2.C	C-7	C. 8	0.9	2.0	0.3	1.0							7.7
70	2.2	1.3	1.4	2.8	1.5		0.1							9.3
75	2.4	5.6	1.9	5.0	3.0	0.5	0.3							18.5
80	2.9	2.6	9.1	7.8	1.9	C. 1	0:2							24.6
85	5.6	3.7	12.6	12.6	4.3	1.0	0.5							41.2
90	9.4	:.0	14.6	17.5	4.1	1.3	1.7							55.5
45	3.2	2.7	4.3	3.0	9.5	1.1	1.4							24.2
100	C.7	1,9	3.6	3.4	4.0	0:3								7.0
110	C.9	0.7 0.1	C. 4	1.5										2,1
115		C.S		0.1										0, 3
120				•••										•••
SUP	39.5	21.6	.7.4	70.0	40.4	0.1	6.7	0.9						254.6
<b>P</b> ;	IALTES	FOR TOR	QUF1 VS	AIRSPF	ED BY WI	EIGHT	21000.	BY AL	TITUDE	5000	i i			
	LESS	10	20	30	40	50		70	6.3	90	100	110	126	SUM
LESS		••			**	,,	•••	•	• • •	•		•••		30/4
40				0-1										0.1
6 C				0.5										0.5
65			C• 5	_		C'S								0.4
70			C.4	0.1										0.5
75				0.7	0.2									0.9
60		0.2	1.6	2.3	0.5	0.2								4.0
. 85	C • 5		3. 9	0.1	2.2									14.4
90	C-5	C-1	3.0	7.0	2.4	0.1								13.6
100		0.7 C.2	2.6	2.5	0.4 4.7	0.0								6.6
105			C. 2	0.6	1.4	C. 8								6.3
iió		0.5	C- 6	0. 2	0.2	0.4								2.7 1.0
115			5.1	~~.	***	•••								0. 1
120			•••											•••
SLP	C.4	1.7	13.5	22.2	12.1	2.0								52.7
,	INUTES	FCP TOR	QUE2 VS	AIRSPE	ED BY WE	EIGHT	21000.	BY AL	TITUDE	5000	l I			
	LESS	10	20	30	40	50	40	70	87	90	100	110	120	SUM
LESS				33	40	,,	••		٠,	70	.00	.10	120	308
40					C. 1									0.1
60				0.5										0.5
65				0.2			0.2							0.4
70				0.5										0.5
75			C. 5	0.4										3. 9
8 C			1.4	2.5	0.6		0:5							4.0
85 90		C-3	4.0	7.3	2.0									14.4
95	C.4	C-1	2.0 1.1	4.7	1.6 G. 1	C-4	0,1 0,0							13.6
100		0.2		0.5	1.5	3.0	0,0							6.6
105			C.C	0. 2	C. 2	2.3	٠,,							2.7
110			0. 5	0.5	C. 2	0.5								1.8
115			0.1	. •										0.1
120														
SLP	C-4	C.B	9. 7	26-2	7.1	7-4	C. 0							62 2

TABLE VII - Continued

•	INLTES	FCR TOR	QUEL VS	ATRSPE	ED AY W	EIGHT	2100C.	BY AL	TITUDE	SUP	1			
	LESS	10	20	20	40	5C	60	70	8 -	90	100	110	126	SUM
LESS	2.9	4.3	7.2	10.0	14.3	3.5	1.5	1.5	-	C. I				45.3
40	4.2	3.0	3.6	4.1	3.3	3.7	0 6	0, 1						22.6
60	1.4	2.1	C.3	1.7	2.0	1.1	3 5							0.9
65 70	1.3	2.0	C - 3	1.3	2.1	0.7	1.1	0. 1						8.6
75	1.9	C.8	2.6	3. l	1.6	0-1	0.3							10.3
80	4.1	1.1	2-4 7-1	7.6	3.9 3.1	0.5	0.2							19.7 29.5
05	3.0	10.4	10.0	23.2	7.7	C.3	0.1							56.1
90	9.8	9.1	12.3	29.5	7.1	1.6	0.3							69.8
95	3.4	2.7	6.7	7.5	8.2	2.5	C 2							31.3
100	C.4	1.0	2.7	5.9	0.3	1.1								20.2
105		C. 5	1.2	2.3	4.7	1,0								9.7
110		2.6	C. 7	J. 5	1.5	3.4								3.9
115		C. 1	C. 1	0.2										0.4
120														
SUP	34.5	42-6	57.3	107.4	67.7	18.2	40 P	1.7		3.1				336.6
	PIAUTES	FOR TOR	QUEZ VS	AIRSPE	ED RY W	EIGHT	21000.	BY AL	TITUCE	\$u!	1			
	LESS	10	20	30	40	50	60	70	0.	90	100	110	126	SUM
LESS	5.0	4.7	12.0	12.8	6.5	2.5	0-4	0.7						45.3
4C	7.9	5.0 1.4	1.6	2.3	5.4	C.4	C 3 6 Or 4	0.2						22.6
45	2•2	0.7	C. 2	1.1	2.0	0.3	1,2	0.2						0. 0
70	2.3	1.4	1.7	3.3	1.5	•••	C. I							10.3
75	2.4	5.6	2.0	5.4	3.0	0.2	0:3							19.7
10	2.9	2.7	10.5	10.3	2.6	0.1	0 4							29.5
65	5.6	4.0	17.2	19.9	7.1	1.0	0 5							56.1
90	1.8	5.2	10.6	27.1	5.7	1.6	1.0							69.8
95	3.2	2.0	5.4	8.1	1.6	1.7	1.4							31. 3
100	0.7	2.1	3.6	3.9	5.5	4.1	0 , 3							20. 2
105	0.9	C.7	C. 9	4.6	C • 5	2.3								9. 7 3. 9
110	C-1	C-1	C. 9	2.0	0.2	0.5								0.4
115		0.2	C. 1	0.1										<b>00 4</b>
SUP	46.0	36.7	76.9	102.5	5C.2	15-8	7.5	0. 9						336.6
	<b>#1</b>	5C8 TO	RQUEL VS	A10505	EO BY 1	EIGHT	23000.	8V AI	TITUGE	LES:				
	- 1 401 6 3		.4011 13											
	LESS	10	2 C	30	40	50		70		90	100	110	126	SUM
LESS	1.6	2.2	C. 9	2.4	C.6	1 - 2	0 1							9. 1
40	1.1	C. 3	C-7	0.1										2.2
é C														
65	C•3													0.3 0.1
70 75	C.1													5,1
éć														•,•
25														
90														
95														
100														
105														
110														
115														
120 5LP	7.1	2.5	1.6	2.5	0.6	1.2	9.1							11.6
307	200	,		,	· · ·									

TABLE VII - Continued

MINUTES FOR TORQUEZ VS AIRSPEED BY WEIGHT 23000. BY ALTITUDE LESS

			4062 43	MINSEL	LU 51 W	CIONI	23000,	D1 =L	111006	fE23				
LESS 4G 6C	2.1 C.1	10 0.8 C.9	20 4.8 C.8	30 0.9 0.4	3.4	50	60	70	83	90	100	110	120	SUM 9-1 2-2
65 70 75 80 85 90 95 100 105 110			C.3 C.1 C.1											0.3 0.1 0.1
126 SUM	2.2	1.7	<b>6.</b> 0	1.3	C.4									11.6
,	IAUTES	FCP TOR	quėl vs	ATRSPE	FD RY W	FIGHT	2300C,	RY AL	TITUDE	100C				
LFSS 4C	ESS 6.4 8.1	10 6.9 4.7	20 12.0 5.1	30 21.1 3.8	22.7 2.7	23.1 3.2	60 2.0 C•4	70 1.3 0.1	C* 5	90	100	110	120	97.5 28.1
6 C	2.6	1.1 C.9	2.6 1.5	1.0 1.1	C.5	C. 4 0. 1		0.5						9.7 6.2
70	6.0	0.9	2.8	1.0	0.3	0.2								7.0
75 80	1.8	C+4 C+5	C. 9	1.6	C.3	C.2								5. 2 3. 9
85	C.5	1.9	C. 3	0.1										2.7
90	C • 2	0.2	C-2	0.1										0.7
LCC			C. 4											0.4
105			C-1											0.1
115														
126														
SLP	25.0	17.4	26.8	31.2	27.8	27.4	2.3	1. 8	C. 2					160. 7
	INLTES	FOP TOR	QUE2 VS	ATRSPE	ED RY W	FIGHT	2300:	RY AL	TITULE	1906				
LESS	IFSS 7.6	10 7•7	20 23 <b>.</b> 1	37.6	40 17.2	5.0 2.3	1 3	70	8 :	90	103	110	120	SUM 97.5
40		t. 1	7.2	4.2	4.7	0.3	0 3							20.1
6C	2.2	2.5 1.8	1.2 1.4	1.1	1.7 C.9	C , 1		0.5						8. 7 6. 2
70	1.1	2.0	1.0	1.3	C. 6									7.0
75 80	1.5	C• 5	1.8	0.8	0.4	0. 2								5.2
85	C. 1		1.1	1.3	3.2									3, 9 2, 7
9C	C. 0	C-1	C-4		0.2									0.7
100	C.O	C • 2		0.2										0. 4 0. 1
105				0-1										0. 1
110 115														
120														
SUP	15.9	22.2	38.7	48.6	25_6	2.9	1 6	1.2						160.7

TABLE VII - Continued

-	INLTES	FCP TOP	QUF1 VS	AIRSPE	ED BY W	FIGHT	23000,	BY AL	TITUDE	2000	:			
	LESS	10	20	30	40	50	٤٥	70	85	90	100	110	120	SUM
LESS	5.6	1C.3	19.3	39,2	44.4	24,0	11 1	4.6	0.3					159.4
4 C	9.6	9.7	10.5	21.4	15.6	18,8	8.2	2,4	0,6					96.7
60	5.9	4.8	4.4	5.7	11.5	6.4	5.1		-					43.9
45	5.2	5.1	4.5	12.3	13.8	6,8	2.4							50.2
70	7.8	7.3	1C.5	20.3	14.8	10.4	4.3							75.1
75	8.0	1.2	23.0	27.6	17.1	5.8	1.6							91.2
80	10.6	9.8	33.9	52.0	24.2	7.9	2. 9							141.2
85	12.4	15.3	20.8	75.8	47.8	5.0	2,0							187.8
90	5.3	15.0	32.7	25.6	88.9	7.8	C- 4							237.4
95	2.4	7.3	21.7	43.9	63.0	5-8	0.7							145.5
100	1.4	2.8	6.4	16.2	19.3	1.2	٠.							47.3
105	••	0.2	1.1	3.7	2.1	•. •								7.1
110		C. 1	C. 8	0.6	1.6									3.1
115				0.2										J. 2
120														•••
SUP	74.2	96.8	198.4	474.4	364.4	99.8	39,2	7.0	1.4					1286-0
						SES MIN								
	PIALTES	FOR TO	RQUEZ VS	. AIRSPE	EED BY I	∉EIGHT	23000.	BY A	LTITUNE	200	c			
				••										
	LESS	. 10	20	30	42	50	60	70	8 0	90	100	110	120	SUM
LESS	12.4	15.1	29.4	47.3	31.5	11.5	11.4	0.9						159.4
40	16.6	13.0	11.4	11.1	17.9	17.5	8 1	1.1						96.7
40	5.6	7.3	5.5	3.0	7.8	8.6	4 , 9	0.5						43.9
65	5.7	6.3	1C.5	5.5	11.4	8.2	2.2	0.3						50.2
70	0.3	9.2	18.5	9.8	9.0	14.9	4-0	0.5						75cl
75	9.3	14.7	24.0	18.9	13.5	9.0	1.8							91.2
•0	9.9	20.2	39.2	30.6	27.1	11.2	2.0							141.2
85	9.1	19.7	52.1	45.4	52.2	11.3	2 0							107.6
90	6.1	15.1	34.9	94.0	70.0	14.2	0 4							237.4
95	2.9	7.5	28.0	44.2	50.5	10.0	C 7							145.5
100	2.0	3.5	7.4	22.3	8.7	2.3								47, 3
105	C.3	1.2	1.1	2.5	1.2	0.7								7.1
110			C. 3	0.4	1.1	1.3								3. 1
115					C • 2									0° 5
12C														
SUP	89.6	120.9	265.3	336.0	302.9	121.6	38.3	3. 3						1206.0
•	INUTES	FOR TO	IQUE1 AS	AIRSPE	ED BY	IE I GHT	23000,	BY AL	TITUCE	5000				
	LESS	10	20	30	40	50	60	70	8 )	90	100	110	120	SUM
LESS														
46	C.7		C. 6	5.1	1.2	C 15	0. 5							0.7
40	C. 5	0.0	9.3	3.7	1.7	C.5	2.1	0.1						12.6
65	C.5	1.4	6.6	9.3	4.3	0.6	0.3							22.9
70		0.2	15.0	9.3	5.0	0.5	0. 1	0. i						31.0
75			0.5	25.2	7.9	9.0								52.4
\$C		0.6	14.3	46.3	24.3	4.0	0 5							92.0
85		2.1	14.3	51.9	25.9	2.1	0.3							96.6
90		C. 0	12.5	64.2	56.9	4.C	2.1							110, 5
95		1.0	2.5	27.6	21.6	2.3								56 1
100		C . 2	C.6	9.4	0.1	6.6	C,3							25.2
105		C • 2	C.7	0.4	C.4	C. 1								1.0
110					G. 1									3 1
115														
140														

TABLE VII - Continued

	INUTES	FOR TOP	QUEZ VS	AIRSPE	ED BY W	IET GHT	2300C.	BY AL	TITUOE	5000	•			
	LESS	10	20	30	40	50	éO	70		90	100	110	120	SUM
LESS							T							- 1
40		0.5	4.7	1.6	0.7	0.9	0.3							8.7 12.6
60		0.6	7.0	3.2	0.0	0.5	C.4							22:9
65		C-2	4.5	11.8	2.7	1.3	0.5							31.0
70		C- 2	e.0	19.5	3.5	1.4	0.2							52.4
75	0.4	0.9	12.9	31.3	5.6	1.1	0.3							92.0
.0	C.7	1.8	27.6	26.6	27.5	6.5	1.2							96.6
85	C.5	2.1	21.5	38.0	20.7	5.4	0.3							110.5
90		0.9	14.9	38.5	35.2	21.0								56.1
95	C.3	0.0	6.2	10.9	25.5	12.4								25.2
100		C. 8	2.0	1.5	14.1	4.1								1.6
105		0.1	0.1	1.2		0.4								0.1
110				0.1										0.1
115														
12C														509.7
SUP	2.0	0.0	104.5	184.2	144.2	57.8	3.2							70 78 7
	IAUTES	FOR TO	IQUE1 VS	i AIRSPI	EED BY V	ÆIGHT	2300C.	BY AL	TITUDE	SUP	,			
						•		-						
	LESS	10	20	30	. 40	50	60	70 .	. 83	90	100	110	120	SUM
LESS	15.7	19.4	32.3	62.7	67.7	41.3	13.1	5. 0	1.3					265.9
40	19.6	14.7	16.5	30.4	19.5	22.5	9.1	2.5	0.4					135.7
60	9.0	6.7	15.5	10.4	13.7	7.3	5.2	0.6						65.2
65	7.3	7.4	12.4	22.7	19.3	7.5	2.7							79.5
70	1.7	1.4	29.1	31.4	20-1	11.2	4.1	0.1						113-1
75		0.6	32.3	44.4	25.3	6.7	1.4							148.6
80	12.5	10.9	51.0	98.6	48.5	15-1	3.3							237.1
05	12.0	19.2	43.4	127.6	73.7	7.0	3.2							207.1
90	5.5	14.	44.4	149.9	115.7	11.7	2.5							348.6
95	2.4	1.1	24.6	71.7	05.4	1.1	0.7							202.0
100	1.4	3.0	7.1	25.6	27.4	7.0	0.3							72.6
105		0.4	1.0	4-1	2.5	0.1								6. 2
110		0.1	G. 8	0.6	1.7									3. 2
115				0.2										0, 2
120	104.0	114.7	110 4	744 7			40.0		• 4					
SUP	104.8	124.7	310.6	700.7	520.5	150.3	45.0	9-1	1.6					1966.0
						_								
	TAUTES	FCB TOE	QUEZ VS	Aleses		E I GHT	2300C.	AV 41	TITUDE	SUP				
			4056 49			C I WILL				306				
	LESS	10	20	30	40	50	60	70	80	90	100	110	120	SUM
LESS	22.0	23.6	57.3	15.9	49.1	13.0	12.7	1.6	••	•		•••		245. 7
40	22.1	20.5	24.1	17.2	23.3	10.7	0.7	1.1						135.7
60	7.0	10.3	13.7	0.1	1.7	9. 2	5.3	1.0						45. 2
45	7.1	1.3	10.6	18.0	14.9	9.5	2.7	0.3						79.5
70	9.3	12.5	25.5	10.6	13.9	16.5	4.3	0.5						113.1
75	11.1	16.1	30.0	11.0	19.4	10.3	2.1							140.0
86	11.2	22.3	68.5	58.5	54. 9	17.7	4.0							237.1
15	9.7	17.0	74.6	14.7	01.1	16.0	2.3							207.1
90	6.9	14.1	52.1	132.5	105.4	35,2	0.4							340.6
95	3.3	8.5	35.0	55.3	76.0	23.2	0.7							202.0
100	2.0	4.3	9.7	23.9	22.0	9.1								72.6
105	0.3	1.3	1.2	3.6	1.2	i.i								4.1
110			0.3	0.5	i.i	1.3								3, 2
115				70.7	0.2									0. 2
120														40 4
SLP	113.7	161.6	419.5	570-1	473.2	102.4	43.2	4.5						1968.0

TABLE VII - Continued

۲	INUTES	FCR TOR	QUEL VS	AIRSPEED	BY M	EIGHT	25000,	BY AL	TITUDE	LESS	ı			
LESS 40 60 65 70	C-9 0-1 C-2 C-4	10 1.5 1.1 0.4	20 1.3 0.8	30 5 <sub>0</sub> 3	40 3,5	50 6.5	60 0.4 0.1 0.1	70 0.5	80	90	100	110	120	SUM 19-9 2-0 0-2 0-7
75 80 85 90 95 100 105 110 115		C.4	•											0.4
SUP	1.5	3.3	2.0	5.3	3.5	6.5	0.5	0.5						23.3
•	IAUTES	FCR TOR	QUEZ VS	AIRSPEED	BY W	EIGHT	25000.	BY AL	TITUOF	LES!	;			
LESS	LESS	10 3.1	20	30 5.3	40 5.5	50 0.9	6C C.1	70 0.1	8 ,	90	100	110	120	SUM 19.9
40	0.3	1.1	C. 2		0.1 C.1		• • •	٠						2.0 0.2
70			C.7											0.7
75 80 85 90 95 100 105 110			c.4											0.4
120 Sup	C. 9	4.2	6.3	5.3	5.6	0.9	0.1	0.1						23.3
,	INUTES	FOR TOR	QUE1 VS	AIRSPFED	8Y W	EIGHT	25000.	BY AL	TITUDE	1000	)			
	LESS	10	20	20	40	50	60	70	• >	90	100	110	120	SUM
LESS 40	11.4	10.0	17.3	39.7 8.7	44.2	29.5	1.1	10.6	2.7	0.6	0.1			175.0
60	2.0	2.3	2.0	1.9	1.0	2.1	0.1	•••						12.2
65	C.9	:• •	2 <b>.</b> l	2.1	C. 3	C. 7	0 C 0 4							7.1 7,2
7C 75	C.9	1.7	1.7	1.5	1.0	0.2	3,3							5,8
60	C. 5	1.8	1.6	0.3	C. 3		CI							4.6
90	C.O	0.5	C•3	9. 2 9. 4	0.1									1.3
100		C • 2		0.2										J. 4
105 110 115														
120 SUP	22.2	27.3	30.6	56.0	52.5	35.6	10 9	10,6	2.7	0.6	0.1			249.3

TABLE VII - Continued

þ	INUTES	FOR TOP	IQUES A2	AIRSPE	ED BY W	EIGHT	2500C.	BY AL	.TITUDE	1000				
LESS 40	LESS 10.3 2.1	10 13.9 7.9	20 23.1 4.3	30 57.6 6.5	40 47.5 4.4	50 14.5 2.6	60 5.0 0.2	70 1.3	83 1.4	90 0.5	100	110	120	SUM 175.0 33.9
6C	2.4	2.5	1.9	1.8	3.2	0.2	0-1							12.2
65	1.7	1.4	1.5	1.5	0.1	0.8	• • •							7.1
70	1.7	1.5	2.2	0.9	0.7	0.2								7. 2
75	1.3	1.3	0.6	1.9	0.5	0.2								5.8
80	C.3	1.4	2.0	0.5	0.5	0.0								4.6
85	C.2	0.5	0.4	•••	•••	0.2								1.3
90	C.5	0.7	C. 3	0.1	C. 1	***								1.7
95	•••	•••	•••	•••	•••									•••
100 105 110		0.2	0.2											0.4
115														
120														
SUP	26.5	31.2	36.6	70.8	56.9	10.0	5.3	1.3	1.4	0.5				249.3
,	TALTES	FCR TO	RQUE1 VS	AIRSPE	FD MY N	ÆIGHT	25000.	BY AL	TITUDE	<b>20</b> 0 C				
	LESS	10	20	30	40	50	60	70	8.7	90	100	110	120	SUN
LESS	9.1	13.2	17.5	59.9	55.0	31.1	17.7	6.2	0.6	0.6	-			214.6
4C	6.7	17.6	21.1	25.4	39.5	41.0	11.7	1.4	0.3					164.6
60	7.4	6.2	4.6	10.0	25.1	12.9	5.2	1.2	0.1					01.5
65	4.2	5.5	7.0	14.2	17.9	13.4	5.5	1.0	•••					72.5
70	6.1	12.3	10.4	21.4	27.5	15.6	3,5	0.5						97.3
75	9.4	8.4	21.7	52.0	33.4	15.1	2.5	0.1						143.4
80	12.2	16.6	35.4	12.4	55.8	10.9	1.0							214.4
65	10.1	15.7	43.4	106.7	01.4	0.0								275.6
90	17.3	1.1	35.6	125.6	07.4	10.7	1.9							207.4
95	5.5	7.3	20.3	48.8	59.0	6.4								176.4
100	0.9	2.9	15.6	21.9	27.7	5.1	0.6							77.7
105	C. 2	1.5	2.6	3.7	3.7	0.4								12.1
110		0.8	0.4	0.3	0.4									1.0
115		0.1	C. 1	0.1										0.3
120														
SUP	98.0	117.0	249.5	604.3	513.0	178.3	51.0	10.5	1.0	0.6				1823.9
	INUTES	FCR TO	RQUEZ VS	ATRSPE	ED AY	Æ I GHT	2500C.	AV AL	.TITUDE	2000				
								0.0						
	LESS	10	20	30	40	50	60	70	83	90	100	110	120	SUM
LESS	18.C	22.6	31.9	50.1	52.3	24.7	6 , 6	3. 9	0.4	_				210.6
40	25.7	16.0	11.2	19.2	44.2	37.0	7.6	0. 9						164.6
60	1. 1	7.7	4,4	13.2	27.5	11.0	5.2	2.6						01.5
45	1C-1	9.0	10.4	5.9	19.7	12.4	5.4	0.6						72.5
70	10.9	1.01	14.6	17.1	15.C	19.8	4., 2	0.4						97.3
75	14.0	15.7	21.1	49.3	19.1	21.2	2.9	0.1						143.4
80	16.7	19.5	54.5	64.7	37.0	20.4	1.6							214.4
85	25.1	10.5	52.5	01.1	76.3	20.6	1.7							275.8
90	22.6	13.9	42.1	105.4	76. 5	23.3	1.6							207.4
95	7.9	7.8	35.6	43.2	55.9	24.3	1.6							176.4
100	2.3	3.2	14.8	20.3	27.6	0.2	1,3							77.7
105	C. 5	1.7	C - 3	3.5	4.0	1.5								12.1
110	C.0	C+4	5.5	0. 6	0.1									1.0
115		0.0	C.1	0.2										0.3
120	142-8	141-0	294.7	482-2	454.2	224-1	41-7	8.9	0.4					1021-0
			6748	74684	7/984	66.00	740	487	~47					4 - 4 - T

TABLE VII - Continued

	PINUTES	FCR TOP	QUE1 V	S ATRSPI	ED BY	FIGHT	2500C.	BY AL	LTITUDE	5000				
LESS	LESS	10	20	30	40	50	60	70	0:	90	100	110	120	SUM
40		0.2	0.4	0.9	1.0	1.1	0.4							4.0
60		C. 1	1.6	0.5	C. 9	1,5	0.6							5. 2
45		C.5	6.4	4.4	1.4	1.1	0,7							14.5
70	0.2	1.1	13.2	9.8	7.2	1.3	0.4							33.2
75		1.4	17.0	25.5	9.4	1.3		0.3						54.9
80	0.3	1.0	14.0	64.6	33.8	3.3	0.1	0.9						118.1
0.5	2.9	1.4	32.0	ill.0	49.4	3.1	0.1	0.0						201.7
90	6.4	5.4	21.7	164.5	66.6	1.0	0.0							266.3
95		3.6	3.2	41.4	43.3	2.4	1.0	0.1						92.0
100		0.1	1.0	21-1	12.4	0.2								34.8 12.0
110			0.5 C.6	9.0	2.5	12.8								14.6
115				0.0		1.7								1.0
120				000		•••								
SLP	9.8	12.0	112.3	454.8	227.9	31.7	3,3	1.4						853.1
	-						•							
•	PIAUTES	FOR TO	QUES V	S ATRSP	ED BY	EI GHT	2500C.	87 4	LTITUDE	5000	ı			
	LESS	10	20	30	40	50	60	70	83	90	100	110	120	SUM
LESS														
40		0.4	0-7	0.4	1.3	1.1								4.0
40		C-4	1.2	0.9	1.1	0.5	1.0							5. 2
45 70	0.1	1.5	6.8	3.3	0.8	1.1	1.0							14.5
75	0.1	2.9 1.4	14.3	7.4 24.0	5.5 7.2	2.1 1.6	0.8	0.1						33.2 54.9
80	C. 7	3.6	20.2	52.6	34.3	4.7	013	V4.1						116.1
85	3.6	1.5	44.9	85.4	61.6	4.7		0.0						201.7
10	4.4	2.2	43.2	120.3	80.7	5.6	0.0							266.3
75	0.5	0.2	7.7	23.0	45.0	12.1	2.7							12.0
100		0.3	1.0	6.4	21.9	4.9	0.3							34. 8
105			C. 2	2.7	7.3	1.6								12.0
110			0.1	1.4	0.3	10.9	1.9							14.6
115					0.0	1.5	0.3							l. 0
120								_ 1						
SLF	12.4	14.4	15%2	335.9	269.8	52.6	1,3	0.2						853.1
•	INUTES	FOR TO	QUE1 V	SAIRSP	1 VB 031	EI GHT	2500C.	84 40	LTITUDE	SUP	•			
	LESS	10	20	30	40	50	60	70	80	90	100	110	120	SUM
LESS	21.4	24.7	34.1	105.0	102.7	74.4	27.0	17.2	3.3	1.2	0.1	-		413.6
40	12.3	24.3	29.7	15.1	45.1	44.9	13-2	1.4	C. 3					204-5
40	9.0	8.56	9.0	21.1	27.0	16.5	5.9	1.2	0.1					19.0
45	4.4	7.,3	14.2	20.8	19.6	15.3	6.2	1.0						94. 8
70	7.2	15.0	25.3	33.0	35.3	17-1	4.2	0.5						137.7
75	1C-3	11.8	39.7	79.1	43.8	16.6	2.0	0.4						204.5
10	13.0	17.4	51.0	147.4	90.0	14.2	1.2	0. 9						337.1
15	21.0 23.7	17.0	76.4	220.7	154.1	11.1	1.9	0.0						476. 6 555. 5
***	5.5	7.9	31.5	110.2	102.4	1.7	2.0	0.1						268.4
100	0.9	3.2	19.6	43.2	40.2	5.3	0:6							113,0
105	0.2	1.5	3.1	12.7	6.2	0.4	•.•							24.1
110		0.8	1.0	1.4	0.4	12.0								16.4
115		0.1	0.1	0.1		1.7								2. 1
120														
SUP	131.5	159.6	394.4	1120.3	797.8	252.1	45.4	23.1	3.7	1.2	0.1			2949.5

TABLE VII - Continued

	PIAUTES	FOR TOP	ONES A2	AIRSPO	ED BY	e i ght	2500C,	BY AL	HITUDE	SUP	•			
LESS 40 69 70 75 89 90 90 105 1105 115	34.1 11.3 11.0 12.0 14.7 17.7 20.9 1 29.5 8.4 2.3 5 C.5	10 27-6 25-4 10-5 11-9 19-6 18-3 24-6 16-7 8-0 3-7 10-7 0-6	20 59-5 14-8 7-7 19-5 31-2 41-0 74-7 97-8 85-6 43-3 14-1 1-0 0-6 0-1	30 121.0 26.1 15.9 10.6 25.4 75.2 117.8 166.5 234.0 66.3 26.7 6.2 2.2 0.2	40 105-2 40-9 31-9 110-7 21-2 24-8 137-9 154-1 101-7 49-5 11-3 0-4 6-0	50 40.2 41.5 12.6 12.6 22.1 23.0 25.1 25.5 28.5 28.6 13.1 3.3	11.7 9.0 6.2 6.3 5.0 3.2 1.6 1.7 1.7 4.3	70 5-3 0-9 2-9 0-6 0-4 0-2 0-0	80 1•7	90 0.5	100	110	120	SUM 413-6 204-5 99-0 94-8 137-7 204-5 337-1 478-8 555-5 268-4 113-0 24-1 16-4 2-1
SUP		200.0	494.8	894.2	700.5	298.4	55.4	10.5	1.7	0.5				2949.5
LESS	LESS	FCF TOF	19UE1 VS 20 0.4	41RSP1	FED EY 1	1E1GHT 50 2.1	2700C,	87 AL		LESS 90	100	110	120	SUM 7. 7
40	)	0.7	0.4		0.3	0.4								1.4
45 70 75	C.3													0.3
100 100 100	0.3 C.1													0.3 0.1
115	)													
LESS 40 60 67 77 75 80 85 90 155 110	PIALTES C.2	FOR TOR	QUE2 VS 20 1.0 0.3	2.2 AIRSPE 30 3.0 0.0 0.3	1.3 ED BY W 40 2.7 0.4	2.5 EIGHT 90 0.1	2700C. 40	8¥ AL 70	TITUDE 83	+0 +0	100	110	120	SUM 7.7 1.4 0.3
120 SUP	0.2		1.4	4.9	3.3	0.1								9.8

TABLE VII - Continued

	PIRUTES	FOR TOR	QUEL VS	AIRSPE	ED BY	WETGHT	27000.	BY AL	TITUDE	1000				
	LESS	10	20	30	40	#C	60	70	8.2	90	100	110	120	SUM
LESS	2.6	3.5	11.9	16.3	12.5		1.7	0.4						64.3
40	4.4	1.9	2.8	3.6	7.7		C 3							23.1
60	C - 5	1.0	C. 5	2.0	2.5									6.4
65	1.3	C. 9	0.2	2.1	3.3									7.9
70	C.7	0.1	C- 9	1.1	1.0									4.8
75 80		1.1	C-5	0.3	C. 3	0.2								2.5
85		C. 8	0.1	0.7										0.1
90		0.2	1.1											1.3
95		C. 9	•••											0.9
100	C-1	0.6												0.7
105														
110														
115														
120														
SUM	9.7	11.0	18.0	26.0	27.4	19.2	2.0	0.4						113.7
	PINUTES	FCP TOP	QUE2 VS	ATRSP	EED BY	WEIGHT	2700C.	BY AL	LTITUDE	1000	ı			
	LESS	10	20	30	40	5C	60	70	8 .	90	100	110	120	SUM
LESS		8.7	11.9	16.4	18.2		0.0					•••	•••	64.3
40		2,9	3.7	6.0	5.1		0.7							23.1
60		0.9	1.9	0.6	2.4									6.4
65		C.6	1.5	3.0	1.7	0.3								7.9
7C 75		C.7	1.2	0.7	1.2									4.0
8C		C. 7	C.7	0.4	<b>U</b> 3	0.2								2.5 1.6
85		C-1	007											0.1
90		C-3	0.1	0.9										1.3
95		0.1	C. 3	0.5										0.9
100			C. 3	9.4										0.7
105														
110														
115														
SLP	7.2	15.4	22.7	29.8	29.0	8.1	1.5							113.7
							•••							
	MINUTES	FOR TOR	QUE1 VS	AIRSPE	ED AY	WEIGHT	27000,	BY AL	TITUDE	200C				
	LESS	10	20	30	40		60	70	97	90	100	110	120	SUM
LESS	4.5	4.0	6.1	11.9	15.3	16.4	2.9	1.6	0 - 2					63.0 75.7
40	2.9	1.6	5.3 1.2	24.2	17.0 7.6	18.8	5.3 2.8	0.1	C. :					44.8
6C 65	4.8	2.7	2.5	12.6	9.3	7.7	2,2	0.5						42.3
70	3.1	4.6	4.3	23.2	11.3	6.1	1 9	•••						54.7
75	2.6	2.9	10.3	40.2	12.7	6.8	1.4	0.4						77.5
80	7.8	5.0	15.2	49.6	17.1	5.0	0.4	0.0						100.9
85	2.7	6.2	22.2	59.6	46.4	5,5	1.1	0-4						144.4
90	1.9	4.5	19.5	68.2	51.8	4.7	0.5							151.2 109.7
95	C.5	4,4	4.7	53.7	43.1	3.1	0 · 2							44.4
100	C-3	C-4	2.5 C.5	9.3 0.3	19.7	12.3								11.2
105	C • 2		V 0 3	0.1										0.1
115				7										
120														
SLP	32.5	27.4	94.5	377.5	259.1	96.6	18-7	3.1	C. 7					920-0

TABLE VII - Continued

MINUTES FOR TORQUEZ VS AIRSPEED BY WEIGHT 2700C, BY ALTITUDE

	-INUIC3	101	4002 43	MINJEL	20 01	WC 1 0111	21000,	U		2000				
	LESS	10	20	30	40	50	60	70	80	90	100	110	120	SUM
LESS	3.2	6.2	11.9	10.3	21.6	8.6	0.6	0.6			•••			63.0
40	2.4	6.1	9.9	14.1	24.2	12.9	5.4	0.6						75.7
60	C. 9	1.5	8.5	9.3	17.8	5.3	1.4	0.1						44.8
65	3.2	2.2	1C-2	10.1	7.9	6.0	2.5	0.1						42.3
70	1.9	4.2	13.3	18.9	8.5	4.3	2.9	0.6						54.7
75	2.0	8.3	12.4	29.2	13.8	7.2	4. 8							77.5
80	7.4	9.7	10.2	40.7	19.7	3.5	1.7							100-9
85	3.9	12.8	21.1	57.7	42.7	4.9	1.4							144.4
90	3.2	9.1	2047	56.0	49.3	11.9	0.9							151.2
95	C.7	2.1	7.8	35.3	54.9	8.7	0.2							109.7
100	0.3	1.8	6.0	5.6	26.4	4.4								44.4
105	0.2	0.3	C. 9		9.7	0.9	0.2							11.2
110					C. 1									0.1
115														
120														
SLF	29.4	64.1	141.0	287-1	295.4	78,6	22.2	2.1						920.0
		FOR TO	RQUEL VS	AIRSPE	ED BY		27000.	8Y AL	TITUDE	5000				
	LESS	10	20	30	40	50	60	70	8)	90	100	110	120	SUM
LESS														
40		C • 2	C. 3	1.5	1.3	1.7								5.0
60	1.4	C. 2	C. 7	0.6	0.5	0.7								4.1
65	C.5	C.3	2.5	2.0	0.3	1.0								7.4
7C	C.4	0.8	1.4	5.2	0.4	0.6	0.5							9.4
75	C. 7		3.3	7.8	2.2	1.5	0.6							16.0
80	6.3	0.3	11.3	27.7	9.4	5.0	12010							60.0
85	3.4	C-1	3.5	3(.1	20.0	3.2	0.6							48.8
90	0.5		1.5	38.3	40.7	6.3	0.3							87.6
95			2.5	31.8	34.0	5.2								74.4
100			2.2	5.5	3.1	6.0								17.6
105		C-1	C. 1	3.7	0.6	5.7								10-2
110		0.2		0.4	10.8	17.1								28.5
115						1.4								1.4
120														
SUM	13.2	2.2	29.1	163.4	124.2	56.2	1.9							390.2
	<b>MINUTES</b>	FCR TO	QUE2 VS	ATRSPE	0 EY 1	∉EIGHT	2700C,	BY AL	TITUDE	500C				
			20				46							
	LESS	10	50	30	40	50	60	70	8.3	90	100	110	120	SUM
LESS 40					2 4									
60	1.4	0.3 C.4	C • 2	0.5	2.8	1.7								5.0
65	C. 5	C.5	3. 2	1.9			0.4							4-1
70	C.4		5.0		0.1	0.8	0.4							7.4
75		1.4	5.3	0.9 4.2	0.3 2.8	1.0 1.2	0.4							9.4
80	7.3	1-8	14.7		10.4	3.0								16-0
85	3.7	1.5	5.9	21.9 21.2	31.7	5.C	0 • 4 0 • 2							60.0
90	C.9	C.3	C - 8	17.3	55.5	12.0	0.8							68.8
95	C+2	2.5	3.6	13.9	42.2	11.4	0.5							87.6
100	V • 2	2.1		1.3	8.0	6.2	U.,							74.4
105		5.1	C.1	0.5	1.4	8.2								17.6
110		3.4		<b>J</b>	2.1	25.9	0.1							10.2 28.5
115						1.2	0,2							1.4
120														704
SUM	14.2	11.5	35.4	83.4	157.8	78.9	3.8							390.2
					<b></b> •									2749 2

TABLE VII - Continued

BY ALTITUDE

MINLTES FOR TORQUEL VS AIRSPEED BY WEIGHT 2700C.

1675				.4011 13	-103.		AC 1 01-1	21000	0, 20		307				
LESS 7.6		1.655	10	20	30	40	50	60	70	6.3	90	100	110	120	MUZ
40 7.3 1.4 8.4 2.4 27.3 26.4 23.3 56.4 0.1 0.5  60 3.1 1.9 7.4 2.4 27.0 10.5 7.5 2.8  60 3.1 1.9 7.4 2.4 27.0 10.5 7.5 2.8  55.3 8.5 6.7 3.9 5.2 17.5 12.9 8.6 2.2 0.5  65 6.7 3.9 5.2 17.5 12.9 8.6 2.4  75 3.3 1.4 1.4 1.4 40.3 15.2 8.6 2.4  75 3.3 1.4 2.0 14.1 40.3 15.2 8.6 2.4  76 3.5 1.4 1.4 1.4 40.3 15.2 8.6 2.4  78 9.5 1.4 1.4 1.4 40.3 15.2 8.6 2.4  90 0.0 1.5 1.4 1.4 1.4 40.3 15.2 8.6 2.4  90 0.0 1.5 1.4 1.4 1.4 40.3 15.2 8.6 2.4  90 0.0 1.5 1.4 1.4 1.4 1.4 1.4 1.4 1.4 1.4 1.4 1.4	LESS												•••		
60 3-1 1-9 24-8 27-0 10-5 7-5 2.8					29.3										
65 6.7 3.9 5.2 17.5 12.9 8.6 2.2 20.5 57.6 17.6 12.6 7.6 2.4 6.9 1.7 1.7 0.4 6.2 1.7 1.7 0.4 9.6 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7	60														
70 4.5 5.5 6.6 20.6 12.8 7.6 2.4	65								0.5						57.6
75 3-3 4-0 14-1 46-3 15-2 8-6 2.0 0.4  80 14-1 4-1 24-5 78-0 24-6 10-8 C.4  80 14-1 4-1 24-5 78-0 24-6 10-8 C.4  80 0-1 4-1 4-1 24-5 78-0 24-6 10-8 C.4  80 0-2 25 4-7 22-1 10-6 20-6 10-8 C.4  80 0-2 25 4-7 22-1 10-6 20-6 10-9  80 12-5 4-7 22-1 10-6 20-6 10-9  80 12-5 4-7 22-1 10-6 20-6 10-9  80 12-5 4-7 22-1 10-6 22-8 10-1  80 12-5 4-7 22-1 10-6 22-8 10-1  80 12-5 4-7 22-1 10-6 22-8 10-1  80 12-5 4-7 22-1 10-6 22-8 10-1  80 12-5 4-7 22-1 10-6 22-8 10-1  80 12-5 10-0 0-5 10-8 10-8  80 12-5 10-0 0-5 10-8 10-8  80 12-5 10-0 10-9 10-9  80 12-5 10-0 10-9  80 12-5															
80 14-1 6-1 26-5 78-0 26-6 10-8 C.4 0.0 162-5 85 6-5 6-7 6-7 6-7 0-4 213-6 85 6-7 6-7 6-7 6-8 6-8 8-7 1-7 0-4 213-6 9C 2-5 4-7 72-2 1 16-5 92-6 11-0 0.8 240-1 1 95 C.5 5-3 7-2 8-5 77-9 8-3 0.2 240-1 1 84-9 100 C.4 0.9 4-7 14-8 22-8 19-1 200 C.4 0.9 4-7 14-8 22-8 19-1 200 C.4 0.9 4-7 14-8 22-8 19-1 1 22-6 11-0 0.2 1-2 11-2 11-1 11-1 12-1 12-1 12-1 12-									0.4						
85 6.3 6.4 25.7 97.6 66.8 7.7 1.7 0.4 213.6 66.8 7.7 1.7 0.4 2213.6 66.8 7.7 1.7 0.4 220.1 10.5 2.5 4.7 22.1 10.5 0.8 0.5 1.7 1.7 0.4 220.1 10.5 0.5 0.5 5.3 7.2 85.5 77.9 8.3 0.2 184.9 10.0 0.8 2.7 10.0 0.8 0.9 4.7 14.8 22.8 19.1 2.1 2.1 2.1 2.1 2.1 2.1 2.1 2.1 2.1 2															
95 C.25 4.7 22.1 106.5 92.6 11.0 0.8 240.1 100 C.4 0.5 5.3 7.2 85.5 77.9 8.3 0.2 180.9 100 C.4 0.9 4.7 14.8 22.8 19.1 103 C.2 C.5 0.5 4.7 14.8 22.8 19.1 22.6 11.0 0.2 C.5 0.5 4.7 14.8 22.8 19.1 12.0 12.0 12.0 12.0 12.0 12.0 12.0 12															
95						92.6			•••						
100															
105															
110															
11-4				•••											
FIRUTES FOR TORQUEZ VS AIRSPEED BY MEIGHT 2700C,   BY ALTITUDE   SUP					•••										
SUP 56.5 52.9 142.0 569.1 412.0 174.5 22.6 3.5 C.7 1433.7  PIRUTES FOR TORQUEZ VS AIRSPEED BY WEIGHT 2700C, BY ALTITUDE SUP  LESS 10 20 30 40 50 60 70 80 90 100 110 120 SUM 60 3-1 43.3 14.2 21.5 32.7 15.7 6.1 0.6 103.0 20.6 6.0 14.9 0.1 55.2 60 3-0 2.5 7 11.1 10.3 20.6 6.0 14.9 0.1 55.2 60 3-0 2.5 11.1 10.3 20.6 6.0 14.9 0.1 55.2 60 3-0 2.5 6.3 19.6 20.6 10.0 6.1 3.3 0.6 6.0 14.7 0.1 55.2 65 4.5 3.2 15.0 15.1 9.8 7.1 2.9 0.1 57.6 70 2.5 6.3 19.6 20.6 10.0 6.1 3.3 0.6 6.0 14.7 0.6 59.1 75 3-2 9.7 18.4 33.8 18.9 8.6 18.9 8.5 5.5 80 14.7 11.8 33.9 82.6 30.1 7.3 2.2 85 7.6 14.1 20.9 79.1 74.3 9.9 1.6 22.2 1.7 80 40 4.1 4.7 21.6 74.2 10.6 8 23.9 1.7 80 40 4.1 4.7 21.6 74.2 10.6 8 23.9 1.7 80 40 4.1 4.7 21.6 74.2 10.6 8 23.9 1.7 80 100 C.3 3.9 8.3 7.3 34.4 10.5 100 C.3 3.9 8.3 7.3 34.4 10.5 110 C.4 2.2 25.9 0.1 120 SUP  PIRUTES FOR TORQUEL VS AIRSPEED BY WEIGHT 2900C. BY ALTITUDE LESS  LESS 10 20 30 40 50 60 70 83 90 100 110 120 SUM 60 60 60 60 60 60 60 60 60 60 60 60 60 6							•••								
#IAUTES FOR TORQUEZ VS AIRSPEED BY WEIGHT 2700C, BY ALTITUDE SUP  LESS		56.5	52.9	142-0	569-1	412-0	174-5	22.6	3.5	C. 7					1433-7
LESS 10 20 30 40 50 60 70 89 90 100 110 120 SUM  LESS 6.0 14.9 24.9 30.5 42.4 14.3 1.4 0.6 40 5.1 9.3 14.2 21.5 32.7 15.7 6.1 0.6 40 5.1 9.3 14.2 21.5 32.7 15.7 6.1 0.6 40 3.0 2.7 11.1 10.3 20.6 4.0 1.4 0.1 55.3 65 4.5 3.2 15.0 15.1 9.8 7.1 2.9 0.1 55.3 65 4.5 3.2 15.0 15.1 9.8 7.1 2.9 0.1 55.3 67 0 2.5 6.3 19.6 20.8 10.0 6.1 3.3 0.6 69.1 75 3.2 9.7 18.4 33.8 16.9 8.5 5.5 80 10 10 7 18.6 33.9 82.6 30.1 7.3 2.2 85 7.6 14.1 26.9 79.1 74.3 9.9 1.6 69.1 90 4.1 9.7 21.6 74.2 104.6 23.9 1.7 91 0.9 4.7 11.7 49.7 97.1 20.1 0.7 100 0.3 3.9 6.3 7.3 34.4 10.5 100 0.3 3.9 6.3 7.3 34.4 10.5 100 0.3 3.9 6.3 7.3 34.4 10.5 100 0.4 2.2 25.9 0.1 110 0.4 2.2 25.9 0.1 120  SUM  MINUTES FOR TORQUEI VS AIRSPEED BY MEIGHT 2900C, BY ALTITUDE LESS  LESS 10 20 30 40 50 60 70 83 90 100 110 120 SUM 20 40 60 65 70 70 70 70 70 70 70 70 70 70 70 70 70 7							•								
LESS 6.0 14.6 22.9 30.5 42.6 14.5 14.5 1.6 0.6 135.0  40 3-1 4.3 14.2 21.5 32.7 15.7 6.1 0.6 105.2  40 3-0 2.7 11.1 10.3 20.6 6.0 1.4 0.1 9.5  45 4.5 3.2 115.0 15.0 15.1 9.8 7.1 2.9 0.1 9.6  70 2.5 6.3 10.6 20.8 10.0 0.1 3.3 0.6 69.1  75 3.2 9.7 18.4 33.8 16.9 8.5 5.5  80 14.7 11.8 33.9 82.6 30.1 7.3 2.2 18.5  80 14.1 91.7 21.6 7.4.2 104.8 23.9 1.6  40 4.1 9.7 21.6 7.4.2 104.8 23.9 1.7  95 0.9 4.7 11.7 49.7 97.1 20.1 0.7 20.1 0.7  100 0.3 3.9 6.3 7.3 34.4 10.5  100 0.3 3.9 6.3 7.3 34.4 10.5  100 0.3 3.9 6.3 7.3 34.4 10.5  100 0.3 3.9 6.3 7.3 34.4 10.5  100 0.3 3.9 6.3 7.3 34.4 10.5  100 0.3 3.9 6.3 7.3 34.5 10.5  100 0.3 3.9 6.3 7.3 34.5 10.5  100 0.3 3.9 6.3 7.3 34.5 10.5  100 0.3 3.9 6.3 7.3 34.5 10.5  100 0.3 3.9 6.3 7.3 34.5 10.5  100 0.3 3.9 6.3 7.3 34.5 10.5  100 0.3 3.9 6.3 7.3 34.5 10.5  100 0.3 3.9 6.3 7.3 34.5 10.5  100 0.3 3.9 6.3 7.3 34.5 10.5  100 0.3 3.9 6.3 7.3 34.5 10.5 20.2 25.9 0.1  100 0.3 3.9 6.3 7.3 34.5 10.5 20.2 25.9 0.1  122.6 11.5  1.2 0.2 2 25.9 0.1  22.6 0.1  22.6 0.1  22.6 0.1  23.6 0.1  23.6 0.1  24.5 0.1  25.6 0.1  25.7 0.1  25.8 0.1  25.8 0.1  25.9		FIRUTES	FOR TOR	IQUEZ YS	AIRSPE	ED BY W	Æ I GHT	2700C,	BY AL	TITUDE	SU≯				
LESS 6.0 14.6 22.9 30.5 42.6 14.5 14.5 1.6 0.6 135.0  40 3-1 4.3 14.2 21.5 32.7 15.7 6.1 0.6 105.2  40 3-0 2.7 11.1 10.3 20.6 6.0 1.4 0.1 9.5  45 4.5 3.2 115.0 15.0 15.1 9.8 7.1 2.9 0.1 9.6  70 2.5 6.3 10.6 20.8 10.0 0.1 3.3 0.6 69.1  75 3.2 9.7 18.4 33.8 16.9 8.5 5.5  80 14.7 11.8 33.9 82.6 30.1 7.3 2.2 18.5  80 14.1 91.7 21.6 7.4.2 104.8 23.9 1.6  40 4.1 9.7 21.6 7.4.2 104.8 23.9 1.7  95 0.9 4.7 11.7 49.7 97.1 20.1 0.7 20.1 0.7  100 0.3 3.9 6.3 7.3 34.4 10.5  100 0.3 3.9 6.3 7.3 34.4 10.5  100 0.3 3.9 6.3 7.3 34.4 10.5  100 0.3 3.9 6.3 7.3 34.4 10.5  100 0.3 3.9 6.3 7.3 34.4 10.5  100 0.3 3.9 6.3 7.3 34.5 10.5  100 0.3 3.9 6.3 7.3 34.5 10.5  100 0.3 3.9 6.3 7.3 34.5 10.5  100 0.3 3.9 6.3 7.3 34.5 10.5  100 0.3 3.9 6.3 7.3 34.5 10.5  100 0.3 3.9 6.3 7.3 34.5 10.5  100 0.3 3.9 6.3 7.3 34.5 10.5  100 0.3 3.9 6.3 7.3 34.5 10.5  100 0.3 3.9 6.3 7.3 34.5 10.5  100 0.3 3.9 6.3 7.3 34.5 10.5 20.2 25.9 0.1  100 0.3 3.9 6.3 7.3 34.5 10.5 20.2 25.9 0.1  122.6 11.5  1.2 0.2 2 25.9 0.1  22.6 0.1  22.6 0.1  22.6 0.1  23.6 0.1  23.6 0.1  24.5 0.1  25.6 0.1  25.7 0.1  25.8 0.1  25.8 0.1  25.9															
40 5.1 9.3 14.2 21.5 32.7 15.7 6.1 0.6 105.2 40 3.0 2.7 11.1 10.3 20.6 6.0 1.4 0.1 9.5 3.0 2.7 11.1 10.3 20.6 6.0 1.4 0.1 9.5 3.0 4.5 3.2 15.0 15.1 9.8 7.1 2.9 0.1 9.8 7.1 2.9 0.1 9.8 7.6 7.1 2.9 0.1 9.8 7.1 2.9 0.1 9.8 7.6 7.1 2.9 0.1 9.8 7.6 7.1 2.9 0.1 9.8 7.6 7.1 2.9 0.1 9.8 7.6 7.1 2.9 0.1 9.8 7.1 2.9 0.1 9.8 7.6 7.6 7.6 7.1 1.8 33.6 16.9 8.5 5.5 9.0 9.0 14.7 11.8 33.9 82.6 30.1 7.3 2.2 9.7 18.4 33.8 16.9 8.5 5.5 9.0 9.0 14.7 11.8 33.9 82.6 30.1 7.3 2.2 9.1 12.2 9.2 12.3 8.2 12.3 8.2 12.3 8.2 12.3 8.2 12.3 9.1 1.7 9.0 9.4 7.1 12.6 74.2 104.8 23.9 1.7 22.0 1.7 22.0 1.1 9.9 0.9 4.7 11.7 49.7 97.1 20.1 0.7 184.9 10.0 0.3 3.9 6.3 7.3 34.4 10.5 10.7 184.9 10.0 0.3 3.9 6.3 7.3 34.4 10.5 10.7 184.9 10.0 0.4 1.0 0.5 10.1 9.1 0.2 2.2 22.2 25.9 0.1 12.2 0.2 11.0 0.4 1.0 0.4 1.0 0.5 10.1 9.1 0.2 2.2 22.2 25.9 0.1 12.2 0.2 11.2 0.2 12.4 12.0 12.2 12.4 12.2 0.2 12.4 12.2 12.3 8.2 12.2 12.3 8.2 12.2 12.3 8.2 12.3 12.3 12.3 12.3 12.3 12.3 12.3 12										<b>8</b> -7	90	100	110	120	
60 3.0 2.7 11.1 10.3 20.6 6.0 1.4 0.1 95.3 65 4.5 3.2 15.0 15.1 9.8 7.1 2.9 0.1 9.8 7.1 2.9 0.1 9.8 7.1 2.9 0.1 9.8 7.1 2.9 0.1 9.8 7.1 2.9 0.1 9.8 7.6 7.1 2.9 0.1 9.8 7.6 7.1 2.9 0.1 9.8 7.6 7.1 2.9 0.1 9.8 7.6 7.1 2.9 0.1 9.8 7.6 7.1 2.9 0.1 9.8 7.6 9.1 7.1 2.0 9.1 9.5 7.5 9.5 9.5 9.5 9.5 9.5 9.5 9.5 9.5 9.5 9															
## ## ## ## ## ## ## ## ## ## ## ## ##															
70															
75 3-2 9-7 18-4 33-8 16-9 8-5 5-5 9-5 9-6 00 14-7 11-8 33-9 62-6 30-1 7-3 2-2 162-5 55 7-6 14-1 26-9 79-1 74-3 9-9 1-6 213-6 90 4-1 14-7 21-6 74-2 104-8 23-9 1-7 240-1 95 0.9 4-7 11-7 49-7 97-1 20-1 0-7 240-1 184-9 100 C-3 3-9 6-3 7-3 34-4 10-5 62-7 105 C-2 0.4 1-0 0.5 10-1 4-1 0.2 21-4 110 0.4 10-1 0.4 10-1 0.2 11-2 0.2 11-2 0.2 11-2 0.2 11-2 0.2 11-2 0.2 11-2 0.2 11-2 0.2 11-2 0.2 11-2 0.2 11-2 0.2 11-2 0.2 11-2 0.2 11-2 0.2 11-4 110 0.4 11-4 0.5		4.5	3.2												
80 14-7 11-8 33-9 62-6 30-1 7-3 2-2 162-5 85 7-6 14-1 28-9 79-1 74-3 9-9 1-6 213-6 85 7-6 14-1 28-9 79-1 74-3 9-9 1-6 213-6 85 90 4-1 9-7 21-6 74-2 104-8 23-9 1-7 240-1 9-5 0.9 4-7 11-7 49-7 97-1 20-1 0.7 184-9 100 C.3 3-9 6-3 7-3 34-4 10-5 62-7 10-5 C.2 0.4 1-0 0.5 10-1 9-1 0.2 21-4 110 0.4 22-2 25-9 0.1 22-2 25-9 0.1 22-2 25-9 0.1 22-2 25-9 0.1 12-2 0.2 11-4 110 0.4 10-5 10-5 10-5 10-5 10-5 10-5 10-5 10-5		2.5							C. 6						
## 7			9.7												
# 10 4 1 9-7 21-6 7-2 10-8 23-9 1-7 95 0-9 4-7 11-7 49-7 97-1 20-1 0-7 105 0-9 4-7 11-7 49-7 97-1 20-1 0-7 105 0-2 0-4 1-0 0-5 10-1 9-1 0.2 110 0-4 2-2 25-9 0-1 20-4 110 0-4 2-2 25-9 0-1 120 SUP 52-0 51-1 204-5 405-3 485-5 165-7 27-5 2-1  # INUTES FOR TORQUEL VS AIRSPEED BY WEIGHT 2900C, BY ALTITUDE LESS  LESS 10 20 30 40 50 60 70 83 90 100 110 120 SUM 2-1 40 40 40 40 40 40 40 40 40 40 40 40 40			11.8	33.9											
#INUTES FOR TORQUEL VS AIRSPEED BY WEIGHT 2900C. BY ALTITUDE LESS  LESS 10 20 30 40 50 60 70 60 70 60 70 60 70 60 60 60 60 60 60 60 60 60 60 60 60 60				26.9		74.3									
100 Co3 3e9 Ge3 7c3 34-4 10-5 105 Co2 0c4 1e0 0c5 10c1 5e1 0c2 115															
105 Co2 0o4 100 0o5 10c1 9c1 0c2 21c4 110		0.9	4.7	11.7		97.1	20.1	0.7							
110	100	C.3			7.3	34.4	10.5								
115		C • 2	0.4	1.0	0.5	10.1	9.1	C. 2							
120 SUP 52.0 91.1 204.5 405.3 485.5 165.7 27.5 2.1 1433.7  MINUTES FOR TORQUEL VS AIRSPEED BY WEIGHT 2900C. BY ALTITUDE LESS  LESS 10 20 30 40 50 60 70 83 90 100 110 120 SUM 2.1  40 60 65 70 75 80 80 85 90 90 95 100 100 100 100 100 100 100 100 100 10			0.4			2.2									
SUP 52.0 91.1 204.5 405.3 485.5 165.7 27.5 2.1 1433.7  PIRUTES FOR TORQUEL VS AIRSPEED BY WEIGHT 2900C. BY ALTITUDE LESS  LESS 10 20 30 40 50 60 70 83 90 100 110 120 SUM 2.1  40 60 65 70 70 75 80 85 90 90 90 95 90 90 95 90 90 95 90 95 100 105 110 120 105 110 115 120 115 120							1.2	0.2							1.4
MINUTES FOR TORQUEL VS AIRSPEED BY WEIGHT 2900C. BY ALTITUDE LESS  LESS 10 20 30 40 50 60 70 83 90 100 110 120 SUM  LESS	120														
LESS 10 20 30 40 50 60 70 83 90 100 110 120 SUM LESS 40 60 65 70 70 75 80 85 90 90 90 95 100 100 100 105 110 105 110 115 120 115 120	SUP	52.0	51.1	204.5	405.3	485.5	165.7	27.5	2.1						1433.7
LESS 10 20 30 40 50 60 70 83 90 100 110 120 SUM LESS 40 60 65 70 70 75 80 85 90 90 90 95 100 100 100 105 110 105 110 115 120 115 120															
LESS 0.1 1.9 2.1 40 60 65 70 75 80 85 90 100 105 110 115		MINUTES	FOR TOP	QUEL VS	AIRSP	ED 84 1	HETGHT	29000.	BY AL	TITUDE	LESS				
40 66 65 70 75 80 85 90 95 100 105 110 115			10	20	30		50		70	8.9	90	100	110	120	
	40 60 65 70 75 80 85 90 95 100 105					0.1		1. 9							2.1
	SUP					0.1		1,9							2. 1

TABLE VII - Continued

	HINUTES	FOR TOR	QUE2 VS	AIRSPEE	D 84 M	EIGHT	29000.	BY A	LTITUDE	LES	)			
LESS 400 605 70 75 80 85 90 95 100 115 110	LESS	10	20 2•0	30 0•1	40	50	60	70	•0	90	100	110	120	SUM 2.1
SUP			2.0	0-1										2.1
LESS 40 60 63 70 75 80 85 90 91 105 110 115 120	LFSS 1•7	10 101 207 001 000	20 1-1 0-7 0-1 6-5 6-2 6-1 6-2	30 0.9 0.1	40 2.9	50 109 003 001 001	2900C. 60 1.5 0.6 0.2	70 0•3	#3 0.1	1000	100	110	120	SUM 12.5 4.4 0.4 0.7 0.1 0.8 0.2
SUP	1.7	4.7	2.0	1.3	2.9	2.7	2.3	0.3	0.1	0.1	1.0			19.8
LESS 40	'INUTES LESS 0.2	10 0-2 0-3	QUE2 VS 20 4.0 3.0	30 2.7 0.2	40 3.1 0.7	50 0.6 0.2	2 <b>900</b> 0. 60 0.7	87 AL 70 1•1	TITUDE 8)	1000 90	100	110	120	SUM 12.5 4.4
60 65 70 75 80 85 90 95 100 105 110		C-2	0.4 0.1 0.6		0.2	C. I								0.4 0.7 0.1 0.8 0.2 0.1
115 120 SUP	0.2	1.5	8.2	2.9	4.4	C. 9	0.7	1.1						19.8

TABLE VII - Continued

•	INUTES	FCR 1	ORQUE	1 VS	AIRSPE	D BY	WEIGHT	29000.	BY AL	TITUDE	2000				
	LESS	1	0	20	30	40	50	60	70	83	90	100	110	120	SUM
LESS	1.5	4.	2	0.0	2.7	4.0	3.4	2 - 6	0.4	0.2					19.2
40	0.6	1.			0.5	1.1	3.0	1.4		0.2					8.1
60	C. 9	0.		2.2		C.4	2.5	0 . 1		C. 2					6.6
65	1.0	0.		1.0	0.1	0.3	2.0		0.0						6.0
70	0.7	2.		0.3		1.2	3.2	C . 2	•••						8.0
75	C. 2			1.3	0.6	1.9			0.2						5. 8
80	0.3			0.7	1.0	1.9	0.6		1.5						6.0
85	0.2			1.9	0.7	4.6	0.3		,						7.7
90	•••			2.3	3.1	15.6									21.4
95				1.1	1.2	5.2	94.4								7.5
100						70.2									163
105															
110															
115															
120															
SLP		16			9.9	34 4				• .					
300	5.4	9.		C. 7	767	36.4	17.9	4.4	2.1	C• ÷					96.4
,	PINUTES	FOR	TOR QUE	2 VS	AIRSPE	ED BY	MEIGHT	2900C.	BY =(	LTITUDE	2000				
	LESS		10	20	30	40	50	60	70	8)	90	100	110	120	SUM
LESS	C.4			3.5	3.4	3.9		1.6	0.0	0 /	70			220	19.2
40	C.1			2.1	0.2	1.9			0.1						8.1
60	0.6			3.2	002	0.6			001						6.6
65	1.0			1.8	0.5	0.7			0.0						6.0
70	C-4			3. 2	0.3	1.7			0.0						8. 0
75					1.3			0.5	0.1						5. 8
	0.2			C.5		1.7		2.4	00.1						6.0
80	0.3			C. 6	0.6	1.3									7.7
85	C • 2			2.1	3.3	1.4									21.4
90		0.		2.3	16-1	2-0									7.5
95		0.	. 2	C. 7	1.2	4.0	1.3	0.1							10.7
LCO															
105															
110															
115															
120															
SLP	3.1	5,	,3 2	C • 2	26.9	19.2	14.5	6.9	0.3						96.4
•	PINUTES	FCP 1	rongur	1 VS	ATRSPE	ED BY	WEIGHT	29000,	BY AL	LTITUDE	5000				
	LESS	1	10	20	30	40	50	60	70	60	90	100	110	120	SUM
LESS							0.4	3.2							0.9
40							0.6								0.9
60						3.1		C.2							
65						2.1		1 4							3.6
70				C. 7	0.5	4.4									9.2
75				1.C	5.3	2.5									11.2
PC				C. 5	29.6	4.4									35.2
85				C . 1	14.2	5.9	2.4		C• 2						22.6
40					5.3	3.5	1,6	212							10.5
95						0.8									2.2
100						0.3									1.9
105							C-2	1 2							1.4
110															
115															
120															
SUP				2.3	.4.8	23.P	16.1	2., 3	0.2						99.6

TABLE VII - Continued

1	MINLTES	FCR TOR	QUE 2 VS	ATRSPE	FD 8Y W	EIGHT	29000.	BY AL	TITUDE	5000	)			
	LFSS	10	20	30	40	50	60	70	8	90	1 30	116	120	SUM
LESS														
40					0.3	0.6					/			0.9 0.9
60				2.0	0.5	0.1	0.2							3, 6
65 70			1.0	2.0 4.3	C. 4	1.C 1.1	0.1							9.2
75			0.5	7.5	3.1	***	0.1							11,2
60			1.0	24.7	9.1	C. Z								35.2
85			C. 1	9.9	12.4		3.2							22.6
90		0-1		1.1	8.3	0.9	0-2							10.5
95			C • 3	0.2	1.2		C. 5							2. 2
100			C• 3		1.2	0.4								1.9
105				0.2	1.2									1.4
110														
120														
SUP		C-1	3.3	49.8	40.4	4.5	1.4							99.6
		• • • • • • • • • • • • • • • • • • • •												
	MINUTES	FOR TOP	QUE1 VS	AIRSPE	ED BY W	EIGHT	29000,	BY AL	BOUTIT	SUI	4			
	LESS	10	20	30	40	5C	60	70	83	90	100	110	120	SUM
LFSS		5.3	1.2	3.7	7.0	5.3	6.0	0.7	0.3	0.1	1.0			33.0
40	C.6	3,9	C. 7	0.6	1.1	4.0	2.3		0.2					13.4
60		C-6	2.2		0.5	3.1	0.6		0. )					7.9
65		1.4	1.0	0.1	2.4	4.0	0.4	0.0						10.3
70		2.4	1.1	0.5	5.6	6.7	0.2							17.2 17.8
75 80			2.7 1.2	5.9 30.5	4.4	4.3 1.3		0.2 1.5						41.1
85			2.2	14.9	10.4	2.7		0. 2						30.6
90			2.3	8.4	19.1	2.0	0.2	•••						31.9
95			1.2	1.2	6.0	1.4								9. 8
100		0.2	C • 2	0.2	0.3	1.6								2.5
105						0.2	1.2							1.4
110														
115														
SUM	7.1	13.9	15.8	66.0	63.2	36.4	10.9	2.7	0.5	0.1	1.0			217.8
					,,,,,,									
									<b>2.5.</b> 100.0					
			QUEZ VS				29000,		TITUCE	SUP				
LESS	LESS C.5	0.9	20 5•5	37 6.1	7.0	50 6.2	2,4	70 1.1	<b>8</b> :	90	100	110	120	SUM 33.0
40		0.0	5.1	0.4	2.9	3.6	0.3	0.1						13.4
60		0.3	3.2		1.5	1.8	C 5							7. 9
65		0.8	1.8	2.4	1.2	2.3	0.6	0.0						10.3
70		C.9	4.2	4.6	4.5	1,8	0.9							17.2
75		1.6	1.4	8.8	5.0		0 6	0.1						17.8
80		0.0	1.7	25.3	10.4	0.2	2,4							41.1
#5 90		0.4	2.3	13.1 17.2	13.8	0.4	0.4							30.6
95		0.2	1.1	1.4	5.2	1.3	C.6							31.9
100			C. 9		1.2	0.4								2.5
105				3.2	1.2									1.4
110														
115														
120		4.0	22 4	70 7	44.0	10.0	0.3	1 4						
SLF	3.3	6.8	33.6	79.7	64.0	19.9	9, 3	1.4						217.8

TABLE VII - Continued

		FOP TO	QUE1 VS	AIRSPEED	87	WETGHT	3100C+	BY A	LTITUDE	LESS		•		
LESS 40 60 65 70 75 80 95 100 105 110	LESS	10	20	30	40		60	70	83	90	100	110	120	SUN 1.6
SUP		0.8			0.5	0. 3	0.0							1.6
LESS 40 60 69 70 75	LESS	FCR TOI	RQUE2 VS 20 0.9	AIRSPEED 30 0.3	8Y 40 G-1	50	3100c. 60	8Y A 7C 0.0	B)	LESS 90	100	110	120	SUM 1.6
95 90 95 100 105 110 115 120 5LP			G. 9	O <sub>e</sub> 3	C-1	C• 2		0 <b>.</b> C						1.6
	MINUTES	FCR TO	RQUE1 VS	ATRSPEED	84	WEIGHT	31000.	BY A	LTITUDE	1000				
LESS 40 60 65 70 75 80 85 90	C-4 G-1	102	20 1.4	30 2•8	40 3.8		€9 <b>3.6</b>	70 1•2	6: C•3	93 7•1	100	110	120	SUM 21.0 0.4 0.1
105 110 115 120 50#		1.2	1.4	2•A	3.8	5.4	3 4	1,2	Ca 5	0.1				22.4

TABI E VII - Continued

	120 SUM
LESS 10 20 30 40 50 60 70 80 90 100 110  LESS 1.4 1.1 2.4 6.9 4.1 4.1 1.9 0.5 0.3  40 0.4  60 C.1  67  70  75  60  85  90  95  100  105  110	21.8 0.4 0.1
115 120 SUP 1.4 1.6 2.4 6.9 4.1 4.1 1.0 0.5 0.3	22.4
MINUTES FOR TORQUEL VS AIRSPEED BY WEIGHT 3100C, BY ALFITUDE 2000	
LESS 10 20 30 40 50 60 70 80 90 100 110 LESS 0.9 C.3 C.7 3.9 8.6 8.0 3.5 1.5 C.0	27.5
4C C+2 C+6 C+9 2+8 4+4 C+5 C+9 C+5 6O C+5 C+5 3+1 C+1	10 <sub>0</sub> 8 4 <sub>0</sub> 2
65 Cel 0e3 Ce4 leC	1.8
70	0.6 0.3
80 85 90 95 100 105 110 115 120 SUP 200 103 107 706 1606 906 405 200 000	45.3
PINUTES FOR TORQUEZ VS AIRSPEED BY WEIGHT 31000. BY ALTITUDE 2000	
LESS 10 20 30 40 50 460 70 80 90 100 110	120 SUM
LESS 1.3 0.8 3.4 6.9 8.1 4.5 2.5 0.1	27.5 10.8
4G Co2 Co3 2o5 lol Cc1	4.2
65 Col Co5 Co2 loO 70 Co3 Co2 Col	1.8
70 0.3 0.2 0.1 79 0.2 C.1 80 85 90 95 100 105 110	0.6 0.3
120 SUP 2.0 2.0 12.0 10.2 9.7 4.8 3.6 0.1	45.3

TABLE VII - Continued

	PIALTES	FCR TORQ	UF1 VS	AIRSPEE	D 87 W	EEGHT	31000.	BY AL	TITUDE	5000				
LESS	LESS	10	20	30	40	50	60	70	87	90	100	110	120	SUM
40							0.2							0.2
60						C- 2	0.2							0.4
65					C-2	1.2								1.4
7C 75				• •	2.0	0.6								2.6
80				0 • 6 0 • 3	3.0 0.3	2.C	0.1 0.1							5.7 1.2
85				***		•••	•••							•••
90														
95 100														
105														
110														
115														
120				0.9	5.5	4.5	0 2 6							11.5
30.				V# 7		407	070							,
	MINUTES	FCR TORG	UE2 VS	AIRSPE	D BY W	EIGHT	31006.	BY AL	TITUDE	5000				
	LESS	10	20	30	40	50	60	70	80	90	100	110	120	SUM
LESS														
60				0.2	0.2		0.,2							0.2
65					002	1.4	0.16							1.4
70					2.4	0.2								2.6
75		0.1	C. 2	0.3	2.8	2.3								5. 7
80				0.4	C. 3	0.5								1.2
90														
95														
100														
110														
115														
150				0.0		A 8	0.2							11.5
SLP		C • 1	C • 2	0.9	5. 7	4.5	0.2							1103
	PIAUTES	FCR TORG	UE1 VS	AIRSPEE	D 8Y W	FIGHT	31000.	BY AL	TITUDE	SUM	1			
							4.6							
LESS	LESS	10 2•3	2.0	30 6.8	12.9	50 13.7	60 7-1	70 2.8	0.4	90	100	110	120	SUM 51.0
40		0.6	C. 9	2.8	4.4	0.5	1.1	0.5						11.5
60	Ceé			0.5	3.1	C.Z	0.3							4.7
65				0.3	C-6	2.2								3,3 3,2
70 75		C.3 C.1	C. 1	0.6	3.0	9.0	2 1							6.0
80				0.3	3.3	0.5	0. 1							1 2
25														
90														
100														
105														
110														
115 120														
SLP		3.3	3.0	11.3	26.4	19.8	8 7	3.3	C. 4	0.1				80.8

TABLE VII - Continued

۲	INLTES	FCP TORG	DUE2 VS	AIRSPEE	D BY WE	ETGHT	31000.	BY ALT	TITUDE	SUP				
LESS 40 60 65 70 85 90 100 110	LESS 2.07 C.09 C.02 C.01 C.03 C.02	10 1.9 1.0 C.4 0.2 0.2	20 6•7 5•5 2•5 C•5	30 14e1 2e1 1e1 0e2 0e1 0e3 0e4	40 12.3 0.6 0.2 1.0 2.4 2.8 G.3	50 8.8 0.3 1.4 0.2 2.3 0.5	60 3.5 1.0 0.3	70 0•7	83	90 Oe 3	100	110	120	SUM 51.0 11.5 4.7 3.3 3.2 6.0 1.2
12C	4.3	3.7	15.5	18.2	19.6	13.6	4.0	0.7		0.3				80.8
	INUTES	FCP TOR	QUF1 VS	AIRSPE		EIGHT	33000,	BY AL	TITUDE	LESS				
LESS 40 6C 65 70 75 8C 85 90 95 100 105 11C	LESS	10	20 C•2 C•2	20 0∙5	40 0.5	50 0.1	60	70	83	90	100	110	120	SUM 1-5 0-2
120 SUP			C-4	0.5	0.5	0.1	0.1							1.8
,	INUTES	FC® TOR	QUF2 VS		FD BY W	EIGHT	3300C.	BY AL	TITUNE	LESS				
LESS 4C 60 65 70 75 80 85 90 95 100 105 110 115	LESS C-2 C-2	10	20 C•1	2C 0e5	40 6.4	5C 0-3	60	70	8:	90	100	110	120	SUM 1.5 0.2
120	C-4		C. 1	0.5	0.4	0.3								1.8

TABLE VII - Continued

1	INUTES	FOR TOR	QUE1 VS	AIRSPEED	84	WEIGHT	33000.	BY AL	TITUDE	1000				
LESS 40 60 65 70 75 80 95 100 110 115	LESS 0.6 0.6 C.2	10 0.6 0.4	20 C•3 C•3	30 2.9 0.5	402.2	50 2•1	60 2.,4	70 1.3	83	90	100	110	120	SUM 12.4 1.8 0.2
120 SUP	1.4	1.0	C- 6	3.4	2.2	2.1	2, 4	1.3		0 ° C.				14e5
LESS 40 60 70 75 80 85 90 105 110 1120	PINUTES LESS G-5 G-8 G-2	10 C•1 O•5	20 20 1.6 0.5	AIRSPEE( 30 2.5	40 401	50	33000. 60 1.3	BY AL Tu C.4	TITUDE R-y C=3	1200	100	110	120	SUM 12.4 1.8 9.2
SUP	1.5	C.6	2.1	2.5	4.1	1.8	1,3	0.4	0.0					14.5
r LESS	INUTES LESS 0.9	FOR TOR	QUE1 VS 20 1.9	AIRSPEED 30 6.5	9 BY 40 4•2	50	33000, 60 4.6	8Y AL 70 2,2	TITUDE B) C•:	200C 90	120	110	120	SUM 29.0
40	2.4	2.9	4.8	15.5 3.8	6.8	0,7	Q. 6 2, 5	0.2						34.0 15.0
65	3.8	0.1	2.8	2.7	7.1	C. 8	0.1							17.5
70 75 60 85 90 95 100 105 110	3-1 4-9 0-2	0.7 C.3 C.3 C.3	C.2 C.3 C.5	3+0 12+5 0+5	2.0 C.1	C.5	0.2							9.7 18.2 1.5 0.3
120 SUP	16.6	7.6	14.5	44.4	22.3	8.9	7.9	2.4	0					125.1

TABLE VII - Continued

1	PINCTES	FCP TOR	ONES A2	AIRSPE	ED BY W	FIGHT	33000.	BY AL	TITUDE	2000				
LESS 40 60 65 70 75 60 85 90 95 100	LESS 103 401 209 206 400 503 002	10 1-1 2-7 1-1 0-5 C-8	20 6.7 7.9 C.8 2.4 1.8 8.7 1.1	30 6.6 14.0 6.8 10.0 2.5 4.1 0.2 0.3	40 3.6 3.6 C.8 0.5	50 5-0 1-4 0-7 0-3 0-5	60 2.1 0.3 1.9 0.2 0.2	70 0.5	63	90	100	110	120	SUM 29.0 34.0 15.0 17.5 9.7 18.2 1.5 0,3
110 115 120 SUP	21.5	6.2	29.3	44.5	10.6	7.8	4.7	0.5						125.1
	MINUTES (	FOR TOR	QUE1 VS	AIRSPE	ED BY W	FIGHT	3300C,	BY AL	TITUDE	5000	):			
LESS 40 60 65 70 75 80 85 90 95 100	LESS	10	1.1	0e3 0e6	40 1.0 3.4 2.0 0.9 0.0	50	60	70	83	90	100	110	120	SUM 1.0 3.4 2.0 1.3 0.7 1.1
110 115 120 SUP			1.1	0.9	7.4									9.4
ı	FIRUTES 1	FOR TOR	QUE2 VS	AIRSPEE	ED 8Y WE	E GHT	3300C,	BY ALT	TITUDE	5000				
LESS 40 60 65 70 75 80 85 100 105 110 115	LESS	10	20	0.3 0.3 0.3 1.1	40 G. 5 2. 7 2. 0 G. 4 G. 3	50 0.5 0.7 0.5	· <b>60</b>	70	6)	90	100	110	120	SUM 1.0 3.4 2.0 1.3 0.7 1.1
120 SLP				1.7	5.9	1.6								9.4

TABLE VII - Continued

	<b>MINUTES</b>	FCR TOR	QUEL VS	AIRSPF	ED BY W	EIGHT	3300C,	BY AL	TITUDE	SUM				
LESS 40 60 65 70 75 80 85 90 95 10C	1.4 2.8 3.1 4.9	10 2•2 3•3 1•3 C•1 0•7 0•3 C•3	2C 2.4 5.3 4.0 2.8 C.2 C.3	30 10-0 16-0 3-8 2-7 3-3 13-1 0-5	40 6-9 7-6 5-5 9-1 3-0 G-1	50 9,0 0.7 0.2 0.8 0.5	6C 7.1 0.6 2.5 0.1 0.2	70 3•4 0•2	8; 0:3	90	190	110	120	SUM 42.9 37.0 18.7 19.4 11.0 18.9 2.6 0.3
110 115 120 Sup	18.1	8.5	16.7	49.4	32.4	11.2	10.5	3. 6	C.3	0.0				150.7
	PINUTES	FOR TO	IQUEZ VS	AIRSPE	ED BY W	EIGHT	33000,	BY AL	TITUDE	SUP	1			
LESS 40 60 65 70 75 80 85 90 95 100 105	5 · 2 · 3 · 1 · 3 · 6 · 4 · 0 · 5 · 3 · 0 · 2 · ·	1.2 3.2 1.1 0.5 0.8	20 6.4 8.3 G. 8 2.4 1.8 8.7	30 9.6 14.0 6.8 10.0 2.8 4.5 1.3 0.3	40 10-1 4-1 3-5 2-5 C-4 0-3	50 7-1 1-9 1-4 0-3 1-0	60 3:4 0:3 1:9 0:2 0:2	70 0.9	8:) C <sub>e</sub> 3	90	100	110	120	SUM 42.9 37.0 18.7 19.4 11.0 18.9 2.6 0.3
110 115 120 Sup		6.9	31.5	49.3	21.0	11.7	6.9	0.9	<b>0.</b> )					150.7
	<b>PIAUTES</b>	FOR TOP	QUE1 VS	ATRSPE	ED BY W	EIGHT	35000,	BY AL	TITUDE	1000				
LESS 40 60 65 70 75 80 85	C.3	10 C•5	20 0.5	30 0 <sub>0</sub> 5	40 1.2 0.3	50 0-5	60 2•2 3•2	70 0•3	<b>6</b> J	90	100	110	120	SUM 5.2 1.8 0.3
95 100 105 110 115		Cag	Co 5	0.5	105	0.5	2.4	0.3						72

TABLE VII - Continued

	INUTES	FCR TOR	QUES AZ	AIRSPEE	D BY W	EIGHT	35000,	BY AL	TITUDE	1000	)			
LESS 40	LFSS C•2	10 C•6	20 C•5 C•2	30 0.9 0.6	40 1•4	50 1.8 0.2	60	70	80	90	100	110	120	SUM 5.2 1.8
60 65 70 75 60 85 90 95			C. 3											0.3
105 110 115														
120 SUP	C•2	0.6	1.0	1.5	1.4	1.9	0.6							7.2
	<b>VIPLTES</b>	FCR TOP	QUE1 VS	AIRSPF	ED BY W	ElG⊬T	35000,	BY AL	TITUDE	2000	)			
LESS	LESS	10 C• 2	20 1-0	3C 1.3	40 3, 2	50 3.1	60 3.:0	70 3.6	80 0.0	90	100	110	120	SUM 15.6
40 60	1.1	1.6	3.9 1.8	14.1 2.6	11.8 20.5	4.9	4,7 2.3	2. C 0. B						44.1 34.7
65 70	2.2 1C.0	1.5 C.6	C. 6 2. 3	5.2	15.8 17.7	3.7 4.1	1.8	1.3						32.0 42.0
75 80 85 90 95 100	2.8	1.1 C.2	C. 7 C. 1	15.4 7.7 0.6	5.6 3.1	3.3 0.3	0.1							29.0 11.4 0.6
11C 115														
120 SUP	18.4	6.7	10.5	53.0	77.7	22.2	13.1	7. 7	<b>0.</b> 3					209.4
	INLTES	FCR TOR	QUF2 VS	AIRSPEE	D 89 W	EIGHT	3500C,	BY AL	TITUJE	2000				
LESS	LESS C.7	10 C•5	20 1• 3	30 1.7	40 3.8	50 4.5	60 2 · 3	70 0.9	8:	90	100	110	120	SUM 15-6
40	3.6	3.4	2.8	16.0	8.9	7.3	1:6	0.6						44.1
60 65	2.5	2.5 0.7	1.9	1.4	22.9 11.2	3.2 1.8	1.5							34.7 32.0
70 75	9.8 2.7	1.6	2 • 2 6 • 7	17.4 12.9	6.2 4.8	0.3	0.4 1.1							42.0
80 85 90 95	C-1	C.1	C. 7	5.3	0.6	0.0	Co3							11.4
105 110 115 120														
SUP	22.8	9.2	16.3	67.0	63.2	21.6	7.9	1.5						209.4

TABLE VII - Continued

	MINUTES	FOP	TOR	QUE1 VS	AIRSPEEC	84	WEIGHT	3500C+	84	ALTI	TUDE	5000				
	LESS		10	20	30	40	50	60	70	1	80	90	100	110	120	SUM
40 60 65 70 75				C•3	0.3 2.2 1.0 0.8 0.2	1.0 5.1 3.4 1.7	0,9 C.4 1.6									1.4 7.6 5.3 2.9 2.9
80 85 90 95 100 105 110 115	C.1			C• 2		2.2										3.3 0.1
SUP	C-1			C. 5	4.5	14.5	3.9									23.6
	PIAUTES	FCF	TOR	dnes A2	AIRSPEEC	) <b>8Y</b>	WEIGHT	35000,	84	AL T	I <b>TU</b> DF	5000				
LESS	LESS		10	20	30	40	50	60	70	)	8.)	90	100	110	120	SUM
40 40 45 70 75				C. 2 C. 5	0.1 2.2 0.9 0.2 0.2	1.0 4.8 3.2 1.1	0,1									1.4 7.6 5.3 2.9 2.9
80 85 90 95 100 105 110		c	•1	C• 2		2 • 2		0.9								3.3 0.1
120 5LP		0	•1	C.9	3.6	12.3	5.7	Ç , 9								23.6
	PINUTES	FOR	TOR	QUE1 VS	AIRSPEEC	) EY	WEIGHT	3500J.	87	ALTI	TUDE	SUM				
LESS	LESS		10	20 1.0	30 1.8	40		5.2	70		8) C.	90	100	110	120	SUM 20-8
40	1.9	1	• 6	4.4	14.4	13.1	4.9	4.9	2.0							47.2 42.5
65	2.2	1	• 5	0.6	6.2	19.2	4.6	1.8	1.3							37.3
70 75	10.0		•6	2 • 3 C • 7	7.0 15.6	19.4	4.4	1.2 0.1								44.9 31.9
80 85 90 95 100 105 110	G. 1	Ċ	.2	C. 3	7.7 0.6	5.3	1.2	•								14.8 3.7
120 SUP	19.6	7	. 2	11.5	58.0	93.7	26.5	15.5	8 • C		<b>c</b> . )					240.2

TABLE VII - Continued

	PINLTES	FCR TOR	QUE2 VS	AIRSPE	FD BY W	EIGHT	3500C.	BY AL	TITUDE	SUF	1			
LESS 40 60 65 70 75 80 85 90 100 115	LESS Co7 3 · 8 3 · 4 2 · 5 2 · 7 C · 1	10 C.5 4.0 2.5 C.7 1.6 C.4 C.1	20 1.8 3.2 1.5 1.5 2.2 6.7 C.9	30 2.5 16.7 3.6 13.2 17.7 13.1 5.3	40 5.2 9.9 27.7 14.3 7.3 4.8 7.0 0.6	50 6,3 7,5 3,3 3,1 5,9 3,1 0,0	60 3r0 1c6 0e6 1c5 0e4 1e1	70 0 <sub>0</sub> 9 0 <sub>0</sub> 6	67	90	100	110	123	SUM 20.8 47.2 42.5 31.3 44.9 31.9 14.8 0.7
120 SUP	23.0	9.9	18.2	72.1	76.8	29.2	9.4	1.5						240.2
LESS	LESS C.2	FCR TOR	QUE1 VS 20 2•1	AIRSPE 30 0•2	ED BY W 40 C.3	EIGHT 50 C•C	3600C. ec c.1	RY 4L'	717UNF 8.	LES 5	100	110	120	SUM la 1
40 60 65 70 75 80 85 90 95 100 110 110 120	C•1													0:1
SUP	C.3	C-1	C. 1	0.2	0.3	0-0	0.1							1.2
,	rinutes	FCP TOR	QUEZ VS	AIRSPE	ED BY W	EIGHT	3600C.	BY ALT	TITUDE	LESS				
LESS 40 60 65 70 75 80 85 90 100 100 110 110	LESS	10	20 0.6 C.1	30 0.4	40	50	60	70	8)	90	100	110	120	SUM 101 001
SUP		0.1	C. 7	0.4	0.0									1.2

TABLE VII - Continued

	INLTES	FCP TOR	QUE1 VS	AIRSPEE	D 84 M	EIGHT	3600C.	BY AL	TITUDE	1000				
LESS 40 60 65 7C 75 8C 85 90 95 10C 105 110	LESS 103 203 C05 C05 C06 C02	10 C.8 1.2	20 1•3 2•4 2•1 2•6 C•5	30 6.8 0.3 0.2 0.2 0.2	40 3.5 9.6 0.3	50 2.4 0.1 0.4	60 2.3 0n7 C14	70 0.8 0.2	8°	90	100	110	120	SUM 19.6 7.7 3.2 3.6 1.8 0.2
115 120 SUP	5.4	2.0	<b>5•0</b>	7.7	4.4	2.9	3,4	1.0	C• 3					36.1
,	MINUTES	FOR TOR	QUE2 VS	AIRSPE	ED 87 W	EIGHT	36000,	BY AL	LTITUDE	100C				
LESS 40 60 65 70 75 80 85 90 95 100	LESS C.7 C.5 C.2 C.4 C.2	10 0.6 3.9 C.7 0.2	20 5•7 4•0 C•5 1•8	30 5.4 1.2 1.6 1.1	40 3.0 0.2 0.3	50 1•5	60 2.5 0.9 0.4 0.4	70 0•2	87	90	100	110	120	SUM 19.6 7.7 3.2 3.6 1.8 0.2
115 120 SUP	2.0	2.3	13.1	9.4	3.5	1.5	4.1	0.2						36.1
	INLTES	FCA TOR	QUE1 VS	AIRSPFE	D 87 W	EIGHT	360CC.	BY AL	.TITUUE	2000				
LESS 40 60 65 70 75 80 85 90 100 110 110	LESS C.2 1.7 C.7 C.4 1.0 C.2	10 C.6 1.5 1.1 4.1 2.4 1.5 C.7	20 1e 2 3n4 2e 3 4e 4 4e 7 2e 9 Ce 5 Ce 8	30 203 7:6 1507 1309 1601 1907 805 209 002	40 4.2 7.7 7.9 16.1 10.5 8.0 4.3 2.1	50 3 c 6 3 c 6 5 c 5 5 c 5 4 c 4 3 c 4	60 5 5 13 2 4 5 2 2 0 9 C 4 0 1	70 5.0 1.9 0.7	8 ) C- :	90	190	110	120	SUM 23-6 40-4 39-1 46-6 39-9 35-9 17-4 5-8 Uc 5
12C	4.3	12.1	21.C	86.7	5G. 9	29,2	26 7	7. é	¢: 3					249.2

TABLE VII - Continued

	PINLTES	FCR TOR	OHE2 VS	ATREPE	FD RY W	FIGHT	36000-	AV AI	TITUOE	2000				
														e
LFSS	C•3	10 C•8	20 1.7	30 4.0	40 4• 2	50 5c 1	60 4 3	70 0•6	8) 2•5	90	100	110	120	SUM 23.6
40	C. 9	3.3	6.5	5.4	F. 9	4.8	12:4	1.3	. • .					40.4
60	C.5	2.0	5.4	15.2	5.3	5,9	4, 9	•••						39.1
65	2.3	1.4	11.5	14.B	9.1	6.2	1.5							46.6
7C 75	1.5	1.9	15.2	7.6	4.6	7.5	1.5							39.9 35.9
BC.	1.3 C.1	2.7 C.3	15.4 7.8	8.5 7.1	5.5 C.3	2~0 1~1	0.5 0.6							17.4
85		C - 3	1.3	2.3	C. 5	1.0	0.4							5.8
90	C.2			0.2			0 1							0.5
95														
100 105														
110														
115														
150							• • •							
SUM	7.1	12.7	64.8	65.1	35.3	33.5	26. 3	1.9	2.5					249.2
	MINLTES	FCR TOR	QUE1 VS	AIRSPE	ED BY W	EIGHT	36000,	BY AL	TITUUE	500C				
LFSS	LESS	10	20	30	40	50	éC.	70	8)	90	100	110	120	SUM
40					1.3	1.2								2.4
60				0-4	2.6	1.C								4.0
65 70			C. 8	0.4	4.3 C.4	3.1 2.5	0.1 0.5							8.7 3.9
75				0.8	3.1	2.€	0,7							6.6
PO				0.5	C. 9	1 - C								2.4
85					1.5	0,2								1.6
9C 95			C+ 2	0.3										0.2
100				963										0.6
105														
110														
115 120														
SLM			1,3	3.0	14.1	11.5	Cu 5							30.4
														3001
	MINUTES	FCR TOR	QUE2 VS	AIRSPF	ED BY W	EIGHT	36000,	BY AL	TITUDE	500C				
	LESS	10	20	30	40	50	60	70	8.0	90	100	110	120	SUM
LFSS 40					0.9	1.6								2.4
60				2.4	2.5	1.1								2.4
65			C-4	0.7	4.2	3.2	0.2							8.7
70				0.4	C. 8	1.0	0.9							3,9
75 PC			C 4 8	1.6	2.8	1.4								6.6
85				1.3	C-4									2.4
90	C • 2				,									0.2
95			C.4	0,2										0.6
100 105														
110														
115														
120				, .										
SLM	C 2		2.1	6.3	11.7	9,0	1 , 1							30,4

TABLE VII - Continued

1	PINUTES	FCR TOR	QUE1 VS	AIRSPE	ED BY W	EIGHT	3600C.	BY AL	TITUDE	SUP	1			
LESS 40 60 65 70 75 60 65 90 95 100 105	LESS 1.7 4.1 1.2 1.0 1.6 C.4	10 1.5 2.7 1.1 4.1 2.4 1.5 C.7	20 2•6 5•8 5•5 7•8 5•2 2•8 C•5 C•5 C•3	30 9-3 7-8 16-2 14-4 16-8 20-5 9-0 2-9 0-2 0-3	8-1 9-5 10-5 20-7 1G-8 11-2 3-6 G-1	50 6.3 4.8 6.1 8.6 7.3 6.0 4.4 0.2	60 8.0 13.9 4.9 2.3 1.4 0.4 0.1	70 5.8 2.1 0.7	8) 1 <sub>e</sub> )	90	100	110	120	SUM 44c3 50e6 46c3 58e6 42e7 19e8 7e4 0e7 0e6
115 120 SUP	10.0	14.2	31.4	97.5	79.7	43.7	30.8	8.7	1.0					317.0
	MINUTES	FCP TOP	QUE2 VS	AIRSPE	ED AY W	EIGHT	3600C,	BY AL	TITUSE	SUP	•			
LESS 40 60 65 70 75 80 85 90 95 100	LFSS 1.0 1.4 0.5 2.5 1.9 1.5 C.1	10 1.4 4.2 2.6 1.5 1.9 2.7 G.3 G.3	20 8.0 10.6 5.9 13.7 16.3 6.3 1.3	30 9.9 6.6 17.2 16.6 8.0 10.1 8.9 3.6 0.2 0.2	40 7.3 6.9 7.8 13.5 5.4 8.2 7.6 0.9	50 6.3 6.9 9.4 9.3 3.4 1.1	6C 6.8 13 3 5.3 1e7 2.8 C.5 0.6 0.4	70 0.8 1.3	80 2.5	90	100	110	120	SUM 44c3 50c6 46c3 58c9 45c6 42c7 19c8 7c4 0c7 0c6
115 126 Sup	9.2	15.1	80.7	81.3	50.5	44.0	31, 5	2.1	247					317.0
ı	<b>PINUTES</b>	FOR TOR	QUE1 VS	AIRSPE	EO BY W	EIGHT	3700C.	BY AL	TITUOE	LESS				
LESS 40 60 65 70 75 80 85 90 100 105 110	LESS	10 1.0	20 C•1	30 0.5	40 Cu 5	5C C.3	60	70	83	90	100	110	120	SUM 2•4

TABLE VII - Continued

	INLTES F	CF TORG	UEZ VS	AIRSPEE	D BY WE	IGHT :	3700C,	BY AL	TITUDE	LESS				
LESS 40 60 65 75 86 85 90 100 110 110 110 120	LESS	10	20 0.8	30 1.0	40 0.3	50 0.3	60	70	an	90	100	110	120	SUM 2.4
					_									
	INLTES F	CR TORG	UE1 VS	AIRSPEE	D BY WI	EIGHT :	37000.	BY AL	TITUDE	1000				
LESS 40 60 65 70 75 80 85 95	LESS C.6 C.7 C.2 G.1 C.1	10 c•2 c•1	20 2•2 1•4 0•1 C•2	30 3.6 1.7 0.9 2.5 0.8 0.5	40 5.6 2.8 0.8 C.2 0.4	50 3.5 0.2 0.3	60 5.2 0.7 0.1 C.2	70 3•1	80 0•2	90	100	110	120	SUM 24-1 7-6 2-5 3-3 1-4 0-7
105 110 115 120 SUP	1.8	0.3	3.9	10.1	9.8	4-2	6.2	3.1	0.2					39•6
,	IAUTES F	OR TORG	UE2 VS	AIRSPEE	D BY WI	EIGHT :	370 <b>0</b> C,	BY AL	TITUDE	1000				
LESS 40 60 65 70 75 80 85 90	LESS 0-3 0-2 0-1 0-2 0-1 C-1	10 0.3 1.6 0.2	20 3.5 C.2 C.4 C.3	30 5-1 4-7 0-6 1-8 0-9	40 7e3 Ce1 Ge7 1e1	50 4-1 0-2	60 3.0 0.5 0.4	70 0•5	82	90	100	110	120	SUM 24-1 7-6 2-5 3-3 1-4 0-7
100 105 110 115 120 SUP	C•9	2.3	4.9	13.0	9.3	4+3	401	0.8						39,6

TABLE VII - Continued

M	INLTES	FCR TOR	OUE1 VS	AIRSPE	ED BY W	EIGHT	3700C.	BY AL	TITUDE	2000				
LESS	LESS 1.0	10	20	30	40	50	60	70	8.	90	100	110	120	SUM
40	5.0	0.1 3.7	1.5	3.4	7.0	6.5	5 4	5.7	Co 5					30.9
60			2.5	15.6	18.6	19.7	5.0	4.6						78.4
	2.5	2.1	4-1	34.0	26.2	23,2	8, 9	0.5	C. 4					101.8
65	1.6	2.0	2.8	26.0	59.5	39.3	3.7	1.0						136.9
70	1.6	2.2	3.0	22.7	19.3	19.4	2.0	1.8						72.8
75	C.7	1.4	1.8	11.7	9.1	4.8	3.0	1.8						34.3
80	C.5	C.7	3.6	5.0	2.5	1.2	1.7							15.3
8.5	C-1		C-6	1.2	0.1	1,2								3.1
90		0.2	C.3	0.3	0.6	0.4	0.1							1.9
95					3.6	0.3	C. 3							4. 2
100		C . Z	C. 4	2.3	1.1	0.4								4.4
105				0.2	0.4	0.8	0.1							1.6
110														
115														
120														
SLP	13.0	13.4	21.4	125.3	148.1	117.2	31.1	15.3	0.7					485.6
		FOR TOR	0455 ME	41000		4E I CH T	27000	BW 41	******	2000				
•		FOR TOR							TITUCE	200C		1		
	LESS	10	20	30	40	50	60	70	80	90	100	110	120	SUM
LESS	1.9	1.1	2.3	5.7	4.0	4.9	8.9	1.3						30.9
40	4.3	6.3	12.6	11.1	18.8	10.7	11-4	1.9	C • 2					78.4
6 C	2.2	2.5	16.0	21.8	33.3	17.4	6.3	0.3						101.6
65	3.2	2.6	18.7	27.6	53.5	26.4	4.5	0.5						136.9
70	1.C	3.2	17.2	14.5	17.0	17.6	2+4							72.0
75	1.6	C . 8	5.8	9.1	7.9	7.7	1.0	0.5						34.3
80	1.C	C.8	5.8	2.9	1.7	1.4	0.0	0.9						15.3
85	C.6		C. 9	0.3	1.1	C <sub>2</sub> 2	C. 1							3.1
90	C. 3	C • Z		0.2	1.1	0.1								1.9
95				0.6	2.9	0.6								4.2
100	C . 2		S-4	1.1	2.7									4.4
105				0.2	1.4									1.6
110														
115														
150														
SLP	16.2	17.4	82.7	95.1	146.1	67.0	35-4	5.5	C • 2					485.6
	INUTES	FCR TOR	QUEL VS	AIRSPE	ED BY	EIGHT	37002,	BY AL	SOUTIT.	500C				
LESS	LESS	10	20	30	40	÷C	60	70	8:)	90	100	110	120	SUM
40			,		0.6	4.4	0.3							5.3
60				0.2	1.9	1.8	0 3							4. 2
65				0.7	4.6	4. C	0 < 5							9 6
7C				3.7	3.3	7,6	0.6							15.2
75			C . 2	3.9	5.1	3.5	1 8							14.4
80				1.6	0.3	0.2	• 0							2.4
65				1.9	0.1	44.5	0.,4							2.5
90				2.9	1.2		4.74							4.2
95				0.8	0.7	0.3								1.0
100				U = 17	C. R	0.2								1.0
					U . 11	4.2								1,0
105														
110														
115														
120					18.4	22.6	• •							40.
SLP			C . 2	16.1	18.6	22°C	3.9							60.7

TABLE VII - Continued

MINUTES FOR TORQUEZ VS AIRSPEED BY WEIGHT 3700C, BY ALTITUDE 500C

,	LIVUIE2	FUN TUR	AUCT A2	41K2KE	יים עם:	MEIGHI	37000,	0 4 m	LITIONE	2000	•			
	LESS	10	20	30	40	50	60	70	80	90	100	110	120	SUM
LESS														
40 60				0 • 2 0 • 2	2.3 1.1	2.8								5.3 4.2
65				0.7	2.5	6.6								9.8
70		3.6	C. 8	0.1	3.0	7.4	0.3							15.2
75		3.8	C-4	1.3	3.7	3.4	1.8							14.4
80	0.1		C. 5	0.4	1.2	0.2								2.4
85		0.1	C. 4	1.7		0.3								2.5
90	C-9		1.5	1.6	C-2									4.2
100	C.5		0.2	0.7	C. 1	0.2								1.8 1.0
105				001	403									100
110														
115														
120														
SUM	1.5	7.5	3.7	7.9	14.4	23.7	2,2							60.7
,	PINCIES	FUR TUR	QUE1 VS	AIRSPE	ED BY	1E1GHT	3700G.	BY AL	TITUDE	SUP				
	LESS	10	20	30	40	50	60	70	80	90	100	110	120	SUM
LESS	1.6	1.3	3.8	7.5	13.1	1C.2	10.5	8. 7	0.6					57.5
4 C	5.7	3.7	3.9	20.3	21.9	24.3	6.9	4.6						91.2
60	2.7	2.1	4.2	35.1	28.9	25.3	9.2	0.5	0.4					108.4
65 70	1.7 1.7	3+1 2+2	3.0 3.8	29.3 27.2	64.3	43.3	4.4 2.6	1.C						150.0
75	C.9	1.4	2.0	16.1	14.2	8.2	4.8	1.8 1.8						89.4 49.5
éó	C.5	C.7	3.6	6.8	2.9	1.4	1.7	100						17.7
85	C. 1	•••	C.6	3.1	0.2	1.2	C.4							5.5
90		0.2	C. 3	3.3	1.8	0.4	0.1							6.0
95				0.8	4.3	0.6	0.3							6.1
100		0.2	C-4	2.3	1.8	0.6								5.4
105				0.2	C.4	0.0	0.1							1.6
110														
120														
SUM	14.8	14.7	25.6	152.1	176.9	143.6	41.1	18.4	C. 9					588.3
									•••					,,,,,
,	VINLTES	FCR TOR	QUE2 VS	AIRSPE	ED BY	EIGHT	37000,	BY AL	TITUDE	SUP	·			
	LESS	10	20	30	40	50	60	70	80	90	100	110	120	SUM
LESS	2.2	1.4	6.6	11.8	12.5	9.2	11.9	1.9		•				57.5
40	4.5	7.9	13.8	16.0	21.2 35.1	13.7	11.9	1.9	0.2					91.2
60 65	2.3 3.3	2.7 2.6	18.7	22.6 30.2	57.0	33.0	4.5	0.3 0.7						198.4 150.9
70	1.0	6.7	10.3	15.5	20.0	24.9	2.9	•••						89.4
75	1.7	4.7	6.7	10.4	11.5	11.1	2.8	0.5						49.5
80	1.1	0.8	6.2	3.3	2.9	1.6	0.8	0.9						17.7
85	C-6	C-1	1.2	2.0	1.1	0.5	0.1							5.5
90	1.2	0.2	1.5	1.6	1.3	0.1								6.0
95	C+5		C • 2	1.5	3.1	0.8								6.1
100	C • 2		C. 4	1.7 0.2	3.1 1.4									5.4
110				J# 2	104									1.6
115														
120														
SUF	18.6	27.2	92.1	117-1	170.0	115.3	41,6	6.2	C. 2					588.3

TABLE VII - Continued

	PINUTES	FOR	TORQUI	E1 VS	AIRSPEED	SA M	EIGHT	38000.	BY AL	TITUDE	LESS				
LESS 40 60 65 70 75 80 85 90 100 110 110	LESS		10	20	30	40 1-1 C-2 G-2	5C C + 5	en	70 0•4	θ.	90	100	110	120	\$UM 2.0 0.2 0.2
120 SUM						1.6	0.5		0.4						2.4
LESS 40 69 65 70 75 80 85 90 95 100 105 110	LESS		TORQUI	E2 VS 20 C•7	AIRSPEED 30 0.3	8Y M	50 0.6 0.2 0.2	38000. 60 0.4	BY AL	TITUDE BJ	LESS 90	100	110	120	SUM 2.0 0.2 0.2
120 5LP		(	0.1	C.7	0.3		1.C	3,4							2.4
LESS 40 60	LESS C.3 1.3 C.1 C.2		10 1.7 2.2 2.2	2C 1.3 1.3 C.2	30 3.0 2.4 0.3	40 5.3 3.7 2.6 0.5	50 4•3 4•8 0•5 0•2	38000, 60 6:4 2:4 0:7 0:2	7C 5e2 0e2 1e8	80 1.3 0.4	100C 90 C• 1	100	110	120	SUM 29.0 18.7 6.2 1.4
70 75 80 85 90 95 100 105 11C 115 12C Sum	C•1		0	Z•8	5.7 1	0.0	0.5 1.0 0.1	<b>9</b> . A	7.2	1, 7	0.1				0-6 1-1 0-1

TABLE VII - Continued

ı	MINUTES	FCP TOP	QUE2 VS	AIRSPE	ED BY	EIGHT	38090,	BY AL	TITUDE	1000				
LESS	LESS C.8	10 C•9	20 4.0	30	40 5.6	50 3,4	60 7,7	70 2•0	8) 0,3	90	100	110	120	SUM 29.0
40	2.0	1.7	3.6	4.9	1.3	1.3	3.6	0.1	C. Z					18.7
60	12.1	C-2	C - 3		2.6	0.4	1.3	0.1	1.3					6.2
65	C • 2		C. 0		0.6	0-2	0.4							1.4
70	C.1		C. 0			C-0	0:5 1.0							1.1
75 80						4.0	0.1							0. i
85							0.72							
90														
95														
100														
105 110														
115														
120														
SUP	2.1	2.7	6. 7	9.3	10.0	5.4	14.6	2.2	1.5					57.1
1	MINUTES	FCR TOR	QUE1 VS	AIRSPE	ED BY W	IE I GHT	38000,	BY AL	TITUDE	2000		-		
	LESS	10	20	30	40	5C	60	70	8)	90	100	110	120	SUM
LESS	3.1	C-1	1.5	3.9	9.6	10.5	7.1	13.6	6.9	0.9				57.5
40		4.5	9.9	21.7	30.4	34.3	29.7	15.5	C. 5	1.1				152.4 124.2
60		2.4 3.0	4.1 3.6	18.3 15.5	34.9 29.0	33.3 53.6	20.9 29.1	6.9 1.7	Co)	0.4				137.9
70		2.2	2.9	7.5	37.0	40.5	10:0	1.6						110.6
75	7.9	2.2	2.2	11.5	37.5	22-8	3 - 2	0.1						87.5
60		0.8	1.1	8.4	11.0	5.5	10							31.3
85 90	C-4		C.7	2.7 0.8	1.7	1.3	0.6							7.5 2.4
95			(4.3	0.4	0.1	041								0.5
100				•••										
105														
110														
115 120														
SUP	32.8	15.1	26.3	90.	192.8	202.6	101.7	39.7	7.5	2.5				711.7
													•	
10	PINUTES	FOR TOR	QUEZ VS	AIRSPE	ED BY	EIGHT	3800C,	BY A	TITUDE	2000				
	LESS	10	20	30	40	50	60	70	83	90	100	110	120	SUM
LESS 40		1.5	6.2 21.0	25.6	5.7 13.9	7.7 31.4	16.3 31.0	9.0 13.1	G-4	0.1				57.5 152.4
60		6.2	2C. 2	17.7	24.0	26.2	16.5	6.9	0.7					124.2
65		4.9	16.0	19.6	44.0	36.9	13.0	Q. B	•••					137.9
70		2.2	7.0	14.7	33.3	37.0	6.5	0.3						110.6
75		2.8	- 2	11.3	25.6	24.6	8-7	0.4						87.5
80 85		1.6 C.2	7.5 1.4	1,9	11.6	2.6	3.4	0.6						31.3
90		0.3			1.4	107		0.7						7:5 2:4
95					C. 4	C-1								0.5
100														
105														
115														
120														
SUP	42.4	26.5	84.5	98.3	162.4	168,C	96.3	31.8	1. >	0.1				711.7

TABLE VII - Continued

•	PINUTES	FCR TOR	QUE1 A2	AIRSPE	ED BY	WE I GHT	3800C.	BY AL	SCUTIT.	500C				
	LESS	10	20	30	40	=0	é0	70	8.	90	100	110	120	SUM
LESS				_7										
40				3.6	6.0	6.5								16.1
60				0.6	5.3	1.3	2.2							9.7
65			C. 3	2.5	13.9	9.7		0.1						26.5
70			0.2	2.2	11.9	0.1								22.5
75				5.7	6.1	5.0	1.8							19.4
80			C. 3		2.0	3 • C								5.4
65	C • S	C • 2			0.5	0.5								1,5
90	•		0.3	0.1										0.4
95														
100														
105														
110														
115														
120				16.0	4.	30.0								101 4
SLP	C.Z	C • 2	1.1	15.0	45.8	35.0	4.0	0.1						101.4
	PINLTES	FOR TOR	QUEZ VS	AIRSPE	ED MY	WEIGHT	38000.	BY AL	LTTTUDE	5000				
	LESS	10	20	*0	40	50	60	70	8;	90	100	110	120	SUM
LESS		•••	•				•	. •			•••			•••
40					6.0	8.0	2.1							16.1
60				0.2	2.3	4,9	0.6	1.6						9.7
65			1.9	0.1	4.5		0.4							26.5
70		1.2	C.8	0.4	7.6	9.4	3.1							22.5
75			4.8	1.2	3.4		2 3							19.4
80				0.3	1.5		0.9							5.4
85	C . 2			0.2	C. 5	Ce 5								1.5
90			C. 2	0.2										0.4
95														
100														
105														
110														
115														
120														
SUP	C • 2	1.2	7.8	2.6	25.9	53.2	8 9	1.6						101.4
	PIALTES	FCR TOR	QUE1 VS	AIRSPE	ED BY	WET GHT	36000.	BY AL	.TITUFE	SU₽				
								• •			100	110		
	LESS	10	20	30	40		50	70	8	90	100	110	120	SUM
LESS	3.4	1.8	2.8	6.9	16.1	15-3	13 5	19-4	2.3	1.0				88.5
40	5.9	6.6	11.2	27.7	40.3	45.6	32,1	15.7	C - 3	1.1				187.3
6C	3 · C	2.6	4.3	19.2	43.0	35.1 63.5	2459 29 4	8.7 1.8	C. 3 C. 4	0.4				140.2
65 70	2.5 9.0	3.0	3. 9	18.3	49.0	49.1	10.0	1.6	U . 1					
75		2.2	2. 1		43.7	29-7	5, 0	0.1						133.7
80	7.9	2.2	2.2	17,2	13.9	8.7	1. 3	U . I						108.0
85	2.7 C.6	C • B	1-4	2.7	2.3	1-9	0.6							36.8 9.0
90		U- 2	C. 6	0.9	0.6	0,7	V 0							
95			600	0.4	C. 1	991								2, 8 0e 5
100				U . 4	Cel									Ue 9
105														
110														
115														
120														
120	36.0	10.5	20. 2	111-6	252.2	249.4	115 6	47.4	<b>c</b> - ·	2.5				872 7

TABLE VII - Continued

	MINLTES	FCR TO	RQUE2 VS	AIRSPE	ED BY W	IE I GHT	38000,	BY AL	TITUDE	SUP				
LESS 40 60 65 70 75 80 85 90 95 100 105	1C.4 5.6 2.8 9.7 8.9 2.6 C.4	10 2.5 6.5 6.4 4.9 3.4 2.6 6 C.2 C.3	10.8 24.6 20.5 18.0 7.9 10.0 7.5	30 10-9 30-5 17-9 19-7 15-1 12-5 2-2 1-5 0-2	40 11-3 21-1 27-9 49-1 40-9 29-0 13-1 3-0 1-4 C-4	50 11-8 40-9 31-8 56-7 46-4 32-6 5-4 2-0	60 24-3 37:6 18-4 13-8 10-1 11-7 4-3	70 11.0 13.2 8.6 0.8 0.3 0.4	87 C•7 C•c Z•J	90 0•1	100	110	120	SUM 88-5 187-3 140-2 165-8 133-7 108-0 36-8 9-0 2-8 0-5
115 120 SUP		30.5	100.9	110.6	198.2	227.6	120,2	35.7	3.3	0.1				872.7
	<b>PIALTES</b>	FCP TO	PQUE1 VS	AIRSPF	ED EY I	IE I GPT	39000,	BY AL	.TITUDE	LESS				
LESS 40 60 65 70 75 80 85 90 95 105 110	C.6 C.1	10	20 0r 3	30 0.5 0.2 0.2 0.2 0.4	40	50 0•4	60	70	8.)	90	100	110	120	SUM 1.4 0.8 0.1 0.2 0.2
SUP			C• 3	1.4		C•4	3.1							3.0
LESS 40 60 65 70 75 80 95 100 105	LESS		C. 5	AIRSPE 30	ED BY 6	SO O.4	3900C, 60 0.1	8Y AL 70 0.0	B)	LESS 90	100	110	120	SUM 1.4 0.8 0.1 0.2 0.2
115 120 SUM	i :	1.0	1.4			0.4	0.1	0. C						3.0

TABLE VII - Continued

•	INUTES	FUR TOR	QUE1 VS	ATRSPEE	D RY	HEIGHT	39000,	84 1	LTITUOS	1000	:			
LESS 40 60 65 70	LESS 2.4 C.8 C.2 C.0 C.4	10 0.6 1.4	20 1•7 1•2	30 2.2 1.8 0.1	40 5.3 1.5 C.1 0.6 C.6	50 3.4 0.1	60 7,2 1,6 2,1	70 5.3 2.2 6.2	8. 1. i	90 0•2	100 0.3	110	120	SUM 29.7 10.5 2.7 1.4 1.3
75 ec e5 90 \$5 100 105 110	C•1 C•1				1.3	Q. S								1.6
SUM	4.7	5.0	3.0	4.1	9. 9	3.7	11,1	7.8	1.1	0.2	0.3			47,7
,	INUTES	FCR TOR	QUEZ VS	AIRSPEE	D 8Y 1	HE1GHT	390CC.	BY AL	TITUDE	1000				
LESS	LESS 2.5	10 C.8	20 3• 5	30	40	*C	6°.	70 3,0	B z Ce é	99	100	110	120	SUM 29:7
60	1.8 C.1	1.7 C.1	1.9 C.1	1.3			1.0	2.9 1.0						10.5 2.7
65 70 75		0.4 0.1	C.6 C.6 1.3				0.3							1.4 1.3 1.6
80 85 90 95 100 105 110 115		c.i	ĉ• <b>4</b>				•,-							0.4
SUP	4.4	3.9	6.3	5.6	4.6	4.7	8,7	6. 9	C , 5					47.7
	TAUTES	FCA TOR	QUE1 VS	AIRSPEE	D 8Y 1	d€1G+T	39000.	BY AL	.TITUOF	5000				
LESS	LESS 1.0	10	20 1• 2	30 5• 7	40 6. 4	5C 7 9	60 9.5	70 12.1	8.) 5.1	90 3,7	100	110	120	SUM 49.7
40	4.0	2.1	5.8	14.4	21.9	30.3	29 9	24.7	C - 7	1.6				135.4
60 65	4.5 7.1	2.2	2.2	12.6	12.5	22.5 31.8	23.9 22.7	6. 9 2. 4		0.1				87.5
70	12.3	1.3	2.8	9.7	29.7	19.8	12,1	1.0						88.6
75	5.9	3.2	1.9	10.0	21.5	19.8	3 3	0.9						66.4
80	C.4	C+3	2.9	1.3	10.5 le1	13,6 2.2	1.6 C.6							30.5 6.2
90	C.0	C-2	C.4		0.4	2.0								3 c 0
95 100 105 110 115	C.C		C•3	0.1										0.4
12C SUP	35.6	12.0	20.6	72.2	125.0	149,9	103 5	47.9	5 7	2.4				578-8

TABLE VII - Continued

	INLTES	FCR TOR	QUE2 VS	AIRSPE	ED BY W	EIGHT	39000.	BY AL	TITUSE	2000				
LESS 40 60 70 75 80 85 90 95 100	LESS 1-5 7-0 7-1 8-7 13-2 4-4 C-7 C-C	10 1.6 7.7 4.6 5.0 5.3 4.8 C.1	20 2.8 7.5 4.0 3.1 6.7 13.1 2.6 C.5 C.3	20 7.8 10.4 8.1 23.7 9.8 6.8 4.0 2.3 C.1	40 6.1 34.4 22.5 30.4 14.9 7.5 3.1 0.8 2.5 0.1	50 8/9 26:4 17:7 25:4 29:6 25:0 19:1 2:6	60 10 7 28 8 14 7 13 3 7 6 9 3 8 6 0 8	70 7•2 12•5 8•0 1•4 1•2	8) 3;: C:8 C:9	90	100	110	120	SUM 49.7 135.4 87.5 111.0 88.6 66.4 30.5 6.2 3.0
115 115 120 Sum	43.7	25.5	40.6	73.1	122.1	154.7	8C.O	30 <sub>0</sub> 3	4.7					578.8
ı	MINLTES	FCP TOR	QUE1 VS	ATRSPE	ED BY	E I GHT	39000.	BY AL	TITUDE	500 C				
	LESS	10	20	30	40	50	62	70	8)	90	100	110	120	SUM
LESS 40 60 65 7C 75 80 85 95 100 1C5 110		0.1	Oe 1	0.4 0.3 0.1	0.2 5.5 14.7 12.0 1.6 1.0 C.0	3,5 13.9 27.2 5.6 4.2 2.0	1.9 C.1 2.7 2.1 0 0	0.1 0.2						6e3 19e7 44e5 20e1 13e9 3e4 0e1 0e2
120 SLP		C-1	C•1	1.4	35.3	56 <sub>°</sub> 3	14.8	0.3						108,3
	PINUTES	FCR TOR	QUE2 VS	AIRSPE	EO 8Y W	IEIGHT	3900C+	BY AL	TITUDE	500C				
	LESS	10	20	30	40	50	60	70	83	90	100	110	120	SUM
LESS 40 60 65 70 75 80 85 90 95 100 105 116		C-1	C. 9 6.6 1.3	0.7 0.3 0.6 1.9 0.2	C.5 4.3 6.9 C.5 C.1 C.2	3-1 14-8 33-7 8-C 2-4 2-8	1,9 0,1 0e4 3,9 10e0	0.1 0.2 2.0 0.1						6.3 19:7 44.5 20:1 13:9 3.4 0.1 0:2
115 120 SUM		2,1	6.8	3.9	13.1	647	15,4	2.4						105, 3

TABLE VII - Continued

	WTA: 750	5CB 700	QUF1 VS	410000	CD 84	FICUT	30000							
	FIRCIES	PCW TUR	AULT A2	#IK2h6	FU BY W	FIGHT	39000.	BY AL	TITULE	SUP				
LFSS 400 600 655 700 755 800 855 900 95100	5.4 4.8 7.9 12.6	10 C+8 3+5 2+2 2+0 1+3 3+2 C+4 C+5 C+2	20 3,2 7,1 2,2 2,1 2,6 2,0 2,9 C,9 C,4 C,3	30 8,4 16.9 12.7 18.1 10.1 10.2 2.0 0.6	4C 11.8 23.6 19.1 4C.1 42.3 24.4 11.9 1.2 C.6	50 11.6 33.7 36.4 59.0 25.5 24.2 15.6 2.2 2.0	6C 16r8 33,4 26,2 25,4 14,4 11:3 1.5	70 17.4 27.1 7.4 2.4 1.0 0.9	Br éci C.7	90 0.8 1.6 0,1	103	110	120	SUM #0,8 153.0 110.0 157cl 110.0 62.2 34.8 6.4 3.2 0.4
110 115 120 SUP		14.1	23.9	79.1	174.0	71G-4	129,5	56.0	é.s	2.5	0.3			737.8
	MINUTES	FCR TO	RQUE2 VS	AIRSPE	FC BY W	IE1 GHT	39000,	RY AL	.TITU∾E	SUP				
LESS 40 60 65 70 75 80 85 90 100 110 110 110 110 110 110 110 110	0 e 6 7 - 2 5 8 - 7 12 - 2 5 - 4 0 - 7 5 C - C		20 6.8 9.6 4.0 4.8 13.0 3.4 C.5	30 1201 1204 805 2403 1108 400 203	4n 13an 34an 26an 37a3 15a4 7an 3a6 Car	50 13:9 29:4 32:5 59:1 37:4 21:9 2:6	60 15.7 31 7 16 1 13 7 11.1 14 1	79 10.3 15:5 9.2 3.4 1.3	8. 3. 5 0. 5 0. 7	93	107	110	120	SUM 83.8 153.0 110.0 157.1 110.0 82.2 34.8 6.4 3.2 0.4
120	)	34.5	59.2	E2.5	139.8	?24,5	104 ?	39, 6	54 :					737.8
	MINLTES	FCP TO	PQUE1 VS	AIRSPE	FD EY	HF I G⊢T	400000	9¥ AL	.TITUDE	LFSS				
LESS 46 65 70 75 86 85 96 95 100 105 110		10	20 C.4	30 0r1	40 C- 9	*C C-2	17 17	76	81	90	190	110	120	SUM 3. 3 0. 9
115 120 5U			5.4	0.1	C• n	C+2	2.6							4.1

TABLE VII - Continued

1	MINUTES I	FCR TOPO	UF2 VS	ATRSPEEC	84 ME	1GHT	400000	BY AL	TITUDE	LESS				
LESS 40 60 65 7C 75 80 95 100 115 110 115	LESS	10	20 C•3	30 Ce 3	40 C.8	50 0.4	e? 125 0 9	7:	AC	90	100	116	120	SUM 3.3 0.9
30,			••			•••	- /							
	MINUTES	FOR TORG	OUE1 VS	AIRSPEE	D RY HI	EIGHT	40636.	BY AL	TITUGE	1000				
LESS 40 60 65 70 75 80	C.5 C.7 C.1 C.4	10 C•1 1•2 C•0 3•2	20 C•5 C•7 C•4 C•3	30 1.F 1.1 0.2 0.7	40 4.6 2.4 1.4 0.4 0.2 0.3	7.8 7.8 C.9 C.3 2.1 1.1 C.4	60 10:3 5:3 0:8 0:6 0 0 0 5	70 8.0 2.4 1.6 0.5 6.3	80 3-3 2-1 Cu3 Cu3 Cu2	90 1.5 9.2	100 0.7	110	120	SUM 38.8 16.8 4.1 5.4 2.7 1.7 1.2
90 95 100 105 110 115 120 Sup		1.6	1.9	3 <sub>e</sub> 8	9.4	13.C	16,3	13.1	5 <sub>6</sub> 1	1-7	0.7			71.1
	MINUTES	FCR TOR	QUE2 VS	AIRSPEE	D BY W	EIGHT	40000,	BY AL	.TITU^E	1000	,			
LESS 40 60 65 70 75 80 85 90 95	C.6 C.4 C.2 C.2 C.2	10 C.9 1n4 C.4 C.3	20 C.7 1.1 C.1	30 3•7 2•3 0•3 0•1	40 6.8 1.2	50 6.7 0.7 0.7 1.5 0.8 0.4 0.2	60 9.1 4.9 0.4 2.9 0.6 0.7	70 8.5 3.5 1.6 0.4 0.0 0.3	8) 203 100 Co2	90	100	110	120	SUM 38:8 16:8 4:1 5:4 2:7 1:7 1:2 0:3
110 112 120 SUP	5	3.0	3.0	6.5	e.o	11,5	19 2	14.9	3.6					71.1

TABLE VII - Continued

	INUTES	FCR TOR	QUE1 VS	AIRSPE	ED BY	FIGHT	40000+	BY A	LTITUDE	2000				
LESS 40 60 65 70 75 80 85 90 100 105	LESS Co9 104 Co7 102 207 100 005	10 C-4 4.2 C.7 2.2 1.1 C-9 0.7	20 C.9 7.4 3.8 7.1 5.7 2.1 1.9 C.8	30 7.2 14.9 12.1 13.6 8.1 7.3 3.8 0.5 3.0 1.0	40 11.9 43.1 25.6 4C.1 52.7 25.6 6.5 1.1	5C 909 47:1 29:9 36:3 46:7 19:3 C:8 Oct	60 18:5 77:3 39 7 24 6 16:2 6 3 1:9	70 17,7 26.9 13.4 4.6 1.9 2.6 1.2 0.1	8) 8-9 8-9 2-9 C-1	90 2 3 0.9 0.1	103	110	123	SUM 78.5 231.6 128.7 130.5 135.4 65:1 35.8 5.5 3:1 1.00
115 120 5UF	6.4	10.6	29.9	71.7	206.7	209.3	186.1	68.5	21.3	3,3				815-7
LESS 40 60 65 70 75 80 85 90 95 100 110 115 120	LESS 1.06 3.02 2.04 2.00 2.00 1.01 C.55 C.1	FCP TOR  10 10-4 9-8 2-5 3-6 2-0 C-9 C-9 C-8 C-2	20 4.2 11.8 6.4 8.4 14.2 8.7 1.5 C.4	30 8-1 15-2 13-0 18-7 16-7 6-3 6-4 0-8	4C 8.3 36.8 24.6 25.7 24.1 17.3 4.6 1.2 2.3 C.6 0.5	50 14-3 54-2 23-7 42-8 56-9 14-3 14-3 0-4 Cn 8	60 10,3 60,3 33,4 23,0 13,7 10,6 5,9 2 3	70 17-9 38-0 17-0 5-6 6-4 5-9 1-8 0-1	83 4.5 2.4 2.9 C.5 C.1	290 <b>C</b> 90	100	110	120	SUM 78.5 23.6 128.7 130.5 135.4 65.1 35.8 5.5 3.1 1.00
SUP		FCR TOR			ED RY	VE I GHT			1C.÷	500C				815.7
LESS 40 60 65 70 80 95 100 115 110 110	LESS	10	20 C.4 C.4 C.2 C.3	30 3.0 2.7 1.0 2.6 0.1	40 202 307 1601 1204 506 606 Con	50 5.5 6.1 22.0 16.7 14.4 7.1 C. 2	60 0.1 1.9 3.2 5.6 5. m 2 1	7C 0.4 G.7 1.1 1.2 1.8 G.9	80 C. J. C. J. C. J. C. J.	90 0.8	100	110	120	SUM 0.6 13.0 15.1 44.1 39.3 30.3 17.2 1.2 0.2

TABLE VII - Continued

1	MINUTES	FC# TOR	OUF2 VS	AIRSPE	ED BY	EIGHT	40000,	BY A	ACUTITA	5000	)			
LESS 40 6c 70 75 8c 85 90 95 100	LESS	10 C+1 C+3	20 Co7 103 102 Co7 206	20 0.3 3.0 1.9 1.0 0.5 0.1	3.7 2.9 3.3 2.9 5.6 6.0 G.5 G.5	50 238 502 2538 2102 1807 900 C+2	60 4-3 2-4 11 4 12-6 2-2 2-2 2-2	70 0.6 1.2 0.2 0.4 0.7 0.7	8.3	90	100	110	126	SUM 0.6 13.0 15.1 44.1 39.3 30.3 17.2 1.8
115 120 SUP		C•4	6 <b>.</b> 5	7.8	25.1	82,9	35.2	3.8						161.7
	PINLTES	FCR TOR	QUF1 VS	AIRSPE	ED BY H	IEIGHT	40000.	BY AL	LTITUDE	SUP	1			
LESS 400 605 70 75 80 85 90 91 100 115	LESS C.9 2.0 1.4 1.3 2.1 1.0 C.5	10 C.5 5.5 C.7 2.2 1.3 C.9 2.7 C.6	20 1.8 6.1 4.2 7.6 6.1 2.3 1.9 1.1	30 9-1 18-9 14-8 15-0 11-9 9-8 3-9 0-5 3-0 1-0 0-3	40 17.0 47.0 29.3 57.0 65.0 31.0 13.0 2.0 3	17-9 53-4 36-2 6C-3 34-1 26-7 1-5 C-3	60 30.6 83.6 42.4 28.4 21.8 12.5 4.8	70 25-7 29-8 15-7 6-2 3-4 4-7 2-1 0-1	12.9 11.5 3.0 1.02 C.6 C.4	90 3.8 1.9 C.1	100 0.7	110	120	SUM 121-1 262-3 147-9 180-0 177-5 97-1 54-2 7-6 3-3 1-0 0-5
120 Sup	10.2	12.2	33.5	87.8	264.4	295.2	225.6	87.7	29.6	5.8	0.7		;	1952.6
	PINUTES	FOR TOR	QUE2 V\$	AIRSPE	ED BY 1	HE I GH T	4000C,	BY A	LTITUDE	SUP	1			
LESS 400 65 70 75 90 95 105 110 115	3.7 2.8 2.2 2.2 1.1 0.5 G.1	10 2.3 11.2 2.8 4.0 2.3 C.9 C.8 J.2	20 5.1 13.7 9.8 9.6 16.0 11.3 1.5 C.4	30 12.1 17.8 16.3 20.7 17.0 6.9 6.5 1.7	40 15-9 41-6 27-6 29-2 26-9 23-0 10-6 1-7 2-5 0-6	50 21-4 57-7 29-6 70-1 79-0 33-4 23-5 0-9 0-8 Cc4	60 29+0 70+4 36:2 37+3 26:9 13:5 8:7 2 5	70 27.0 42.7 18.7 6.4 7.2 7.0 2.2 0.1	80 607 304 301 C05 C01 C01	90	100	110	120	SUM 121J1 262e3 147.9 180e0 177e5 97e1 54e2 7e6 3c3 1.0
120 5UP		25.7	67.3	99.0	179.9	116.8	224,5	111.2	14-1					1052,6

TABLE VII - Concluded

	MINUTES	FCR TO	QUF1 VS	ATRSP	FED RY	WEIGHT	SUM.	BY A	LTITUTE	SUM			
	LESS	10	20	30	40	50	60	76	80	90	100	110	120 SUM
LESS		74.2	114.8	271.6	311.3	253.7	151.1	114.6	34,2	7.1	2.1		1401.3
40	73.2	79. A	101.6	224.3	263.8	266.5	207.0	96.2	1447	4.6			1322.1
60	41.8	21.4	52.9	167.3	217.6	177.9	126 5	35.7	3,5	0,6			855.2
65	43.6	37.9	65.5	166.7	311.2	278.6	104.3	14.2	1. 3				1023,3
70		43.1	88.3	183.3	290.1	221.9	62 9	8.5	0.0				962.9
75		36.2	103.7	308.7	227.5	145.8	4C - 9	8.6					923.7
80		44.6	146.9	404.6	227.3	97.2	14.3	4.5	C. 4				990.1
85	44.6	55.2	162.0	497.4	299.3	38,2	9 7	0.7					1106,2
90		46.4	142-8	598.0	391.8	42.2	5,8						1268.5
95	11.8	25.C	71.8	280-0	284.4	29, €	3.4	0.1					706.3
100	2.1	9.2	35.0	92.5	100:9	35.6	0.9						277.1
105		2.9	6.8	23.3	21.5	10.9	1.3						67.2
110		1.9	2.5	3.1	14.3	30:3							52.2
115		C . 2	C. 2	0.5		3.1							4.1
120													
SLP		488.2	1096.9	3221.5	2961-1	1431.6	727,0	273.1	54.8	12.3	2.1		10960.1
. 1	MINUTES	FCR TO	RQUEZ VS	AIRSP	EED MY	WEIGHT	\$u <b>≠</b> •	8Y A	LTITUDE	NUS			
	LESS	10	20	30	40	50	60	70	8.3	90	100	110	120 SUM
LESS		57.5	217.5	340.2	295.2	162.1	127 3	62,8	15,3	0,9	• • •		1401:3
40	108.0	111.4	150.9	183.C	254.6	238,0	193.4	77.9	500				1322, 1
60	5C-1	49,8	99.4	130.6	223.3	155,5	99.5	41.0	6. :				855, 2
65	52.4	44.9	126.0	182.2	251.5	266.7	86.5	12.5	C. 6				1023, 3
70	69.2	63.4	158.5	172.6	169.7	251.1	67.9	10.3	C-1				962.9
75	eC.3	67.9	178.9	239.1	158.3	155-4	55,3	8e 2	Ce 1				923.7
PO	52,2	46.0	22C. 7	306.9	209.8	104.5	27,1	3.1					990.1
85	*3.0	57.8	223.9	377.6	322.3	61-2	9.6	C. 7					1106.2
90	51.9	49.5	192.6	493.4	393.2	92-1	6 C	0.7					1268:5
95	16.3		97.4	183.3	292.8	84.1	7. 8						706.3
	1003												
100			37.0	63.8	117.0	37.2	19						277.1
100	6.3			63.8 15.5	117.0 25.4	37.2 15.8	1 9 0 2						277.1 67.2
	6.3 2.C	14.0	37.0 4.2 1.8		25.4	15.8	_						
105	6.3 2.0 C.1	14.0	37.0 4.2 1.8	15.5	25.4	15.8 38.6	Ca2						67.2
105	6.3 2.C C.1	14.0 4.1 1.0 C.2	37.0 4.2 1.8 C.2	15.5 4.7 0.3	25.4 3.9 G.2	15.8 38.6 2.6	0.2 2.0 0.5						67.2 52.2 4.1
105 110 115	6.3 2.C C.1	14.0 4.1 1.0 C.2	37.0 4.2 1.8 C.2	15.5 4.7 0.3	25.4 3.9 G.2	15.8 38.6	0.2 2.0 0.5	217.3	27.2	0,9			67.2 52.2

# TABLE VIII. TIME FOR ENGINE TORQUE VERSUS ROTOR RPM BY MISSION SEGMENT, RATE OF CLIMB AND OUTSIDE AIR TEMPERATURE, SAMPLE I

	MINUTES	FOR	TCRQJE1	VS	RPM BY	MISSION	SEG	ASCENT.	84	RATE	OF	CLIMB	-1500,	87	OAT	80	
	LESS		10	20	30	40	50	6C		70		80	90	100	110	120	SUM
LESS 180 185 190 195 200 205 SUP								0.1									0.1
	HINUTES	FOR	TORQUE	vs	RPM BY	MISSION	SEG	ASCENT.	84	RATE	OF	CLIMB	-1500	. BY	DAT	80	
LESS 100			10	20	30	40	50	60		70		80	90	100	110	120	SUM
185 190 195 200 205								0.1									0.1
SUF								0.1									0.1
	MINUTES	FOR	TCRQUEL	vs	RPM BY	MISSION	SEG	ASCENT.	84	RATE	OF	CLIMB	-1500,	BY	DAT	SUM	
	LESS		10	20	30	40	50	60		70		80	90	100	110	120	SUM
LESS 180 185 190 195 200							11.	0.1									0.1
205 SUP								0.1									0.1
	MINUTES	FOR	TORQUEZ	vs	RPH BY	M ISS ION	SEG	ASCENT,	84	RATE	OF	CLIMB	-1500	, BY	DAT	SUM	
	LESS		10	20	30	40	50			70		80	90	100	110	120	SUM
18C 185 190 195								0.1									0.1
200 205 SUP								0.1									0.1
	MINUTES	FOR	TORQUE	L VS	RPM BY	MISSION	SEG	ASCENT.	87	RATE	OF	CLIMB	-900,	8 Y	OAT	50	
	LESS		10	20	30	4 C	50	60		70		80	90	100	110	120	SUM
LESS 180 185 190 195 200			ć	0.1	0.1	0.1											0.1 0.1 0.1
205 SUP	i		;	0.1	0.1	0.1									•		0.3

	MINUTES	FOR	TORQUE2 V	S RPM BY	MISS 104	SEG A	SCENT.	BY RATE	OF CLE	16 -900	) . BY	DAT	50		
LES	LESS	į.	10 20	30	40	50	6 C	70	80	90	100	110	120	SUM	
18: 18: 19: 19:	3 5 3		0.1		0.1									0.1 0.1 0.1	•
20 S	3		ა.1		0.2									0.3	
															•
	MINUTES	FOR	TORQUEL V	S RPM BY	H155104	SEG A	SCENT,	BY RATE	OF CLIA	8 -900	. 84	DAT	60		
LESS	LESS		10 20	30	40	50	60	70	80	90	100	110	120	SUM	
180 185 190 195			0.3			0.1								0.1 0.3 0.3	
205 SUP	1		0.5			<b>U.1</b>								0.6	
			<b>.</b>									177			
			TORQUE2 V		# 155 TOM 40	3EG A	SCENT,	70	BO BO	900 90	100	110	60 120	SUM	
LESS 100			10 20	30	40	0.1		10	•0	70	100	110	120	0.1	
189 190 199 200				0.3		•••								0.3	
20 <u>9</u> SUP				0.5		0.1								0.6	
	MINUTES	FOR	TORQUEL V	S APM BY	HISS ION	SEG A	SCENT, I	BY RATE	OF CLIM	B -900	, BY	DAT	70		
	LESS		10 20	30	40	50	6C	70	80	90	100	110	120	SUM	
185 185 195 195 200	0.1			0.2	0.2									0.2 0.5 0.1	
205 SUP				0.2	0.5									0.8	•
	MI NUTES	FDR	TCRQUE2 V	S RPM BY	PC1 221 P	SEG A	SCENT, E	SY RATE	OF CLIM	B -900	. 84	OAT	70		
LESS	LESS		10 20	30	40	50	60	70	80	90	100	110	120	SUM	•
18C 185 190	0.1		0.2		0.2	0.2								0.2 0.5 0.1	
200 205 SUP			0,2		0.?	0.3								0.8	

	MI NUTES	FOR	TERQUE	EL VS	RPM BY	MISS 104	SEG	ASCENT.	BY	RATE	OF	CLIME	-900	. 8Y	DAT	80	
	LESS		10	20	30	40	50	60		70		80	90	100	110	120	SUM
LESS 180 185 190 195 200					0.1	0.2				0.2							0.2
205 SUP					0.1	0.2				0.3							0.6
	MINUTES	FOR	TORQUE	E2 VS	RPH BY	M ISS ION	SEG	ASCENT.	87	RATE	OF	CLIME	-900	, 8Y	OAT	80	
	LESS		10	20	30	40	50	60		70		80	90	100	110	120	SUM
LESS 180 185 190 195				0.1	0.2			0.2									0.2
200 205 SUP				0.1	0.2			0.3									0.6
	MINUTES	FOR	TCRQU	EL VS	RPM BY	MISS ION	SEG	ASCENT,	BY	RATE	OF	CLIMB	-900	, 8Y	DAT	90	
LESS	LESS		10	20	30	40	50	60		70		80	90	100	110	120	SUM
180 185 190 195 200	0.1	C	0.1		0.1					0.1		0.1					0.1 0.4 0.1
205 SUP		(	0.1		0.2					0.1		0.1					0.6
	MINUTES	FOR	TORQUE	E2 VS	RPH BY	MISS ION	SEG	ASCENT.	84	RATE	OF	CLIME	-900	. 87	OAT	90	
LESS	LESS		10	50	30	40	50	éC.		70		80	90	100	110	120	SUM
180 185 190 195	0.1	ď	0.1		0.1			0.1		0.1							0.1 0.4 0.1
200 205 SUP	0.1	C	0.1		0.2			0.1		0.1							0.6
						_											
(						MISSION			6 Y		OF				OAT	SUM	
LESS	LESS		10	20	30	40	50			70		80	90	100	110	120	SUM
180 185 190 195 200	0.2	0	.1	0.3 J.4	0.1 0.5 0.1	0.3	0.1			0.2	•	0.1					0.7 1.7 0.5
205 SUP	0.2	o	.1	0.6	0.6	0.4	0.1			0.4		0.1					2.9

	MINUTES	FOR TCA	QJES A2	RPH BY	MISSION	SEG 4	SCENT.	BY RATE	OF CLIMB	-900	. 8	Y OAT	SUM	
	LESS	10	20	30	4 C	50	60	70	80	90	100	110	120	SUM
LESS 180 185 190 195	0.1 3.1	0.1	0.3 3.1	0.1 0.6 0.3	0.1 0.3 0.1	0.3	0 • ¿ 0 • 2	0.1						0.7 1.7 0.5
200 205 SUP		0.1	J.4	0.9	0.4	0.4	0.4	0.1						2.9
	MI NUTES	FOR TCR	ONET AZ	RPM BY	MISSION	SEG A	SCENT,	BY RATE	OF CLIMB	-600	, 8Y	OAT	50	
LESS 18C 185 190 195	LESS	10	20	30 0.3 0.1	40	50	60	70	. 80	90	100	110	120	SUM 0.3 0.1
200 205 SUP				0.4										0.4
	MINUTES	FOR TCR	QUE2 VS	RPM BY	M ISS 104	SEG A	SCENT,	BY RATE	OF CLIMS	-600	. 61	DAT	50	
LESS 100 185 190 195 200	LESS	10	20	30 0.1	40 0.3	50	<b>6</b> C	70	80	90	100	110	120	SUM 0.3 0.1
205 SUP				0.1	0.3									0.4
	IINUTES (	FOR TORG	DUEL VS	RPM BY	MISS TON	SEG A	SCENT, (	BY RATE	OF CLIMB	-600,	84	QAT	60	
LESS	LESS	10	20	30	40	50	60	70	90	90	100	110	120	SUM
180 185 190 195 200	0.2		0.2	0.8	1.0	0.3	0.1	0.1	0.1					1.7
205 SUP	0.2		J.2	1.9	1.3	0.3	0.1	0.1	0.1					4.2
	MINUTES	FOR TCA	GJE2 VS	RPM BY	MISSION	SEG A	SCENT.	BY RATE	E OF CLIMA	-630	, 6	Y OAT	60	
LESS	LeSS	10	20	30	40	50	60	70	60	9)	100	110	120	SUM
180 185 190 195 200	0.2			0.6	0.9	0.4	0.1	0.1						1.7
205 SUP				1.7	1. 1	0.8	0.1	0.1						4.2

1	MINUTES	FOR TCF	SA TBEO	RPM BY	MISS ION	SEG	ASCENT.	BY RAT	E OF CLIME	-600	, 6Y	OAT	70	
LESS	LeSS	10	20	30	40 0.1	50	6C	70	80	90	100	110	120	SUM 0.1
180	0.1	0.1		0.8	1.5	0.2			0.3					3.1
185		0.1	0.8	2.0	3.2	0.6		0.2	0.1					9.0
190				0.3	0.2		0.1							0.4
195														
205														
SUM	0.1	0.2	0.0	3.9	5.0	1.0	1.1	0.2	0.4					12.7
	MINUTES	FOR TO	RQJEZ VS	RPH BY	HISS ION	SEG	ASCENT.	BY RAT	E OF CLIME	-600	, 67	OAT	70	
						-		-						
	LESS	10	20	30	40	50	6 C	70	80	90	100	110	120	SUM 0.1
LESS		0.4	0.3	0.6	0.1	0.4	0.1	0.1	0.2					3.1
185			0.9	1.5	3.1	1.0		0.3						9.0
190				0.1	0.2	0.3								0.6
195														
200														
205					4.3			- 4						12.7
SUP	0.1	1.4	1.2	2.2	4.3	2.5	0.5	0.4	0.2					12.1
	MIMITES	EOR TO	BOIEL VS	RPM RV	MISS FOM	SEG	ASCENT.	SY DAT	'E OF CLIM	-600	. BY	OAT	80	
	-140163				M.33.01	3.0	A302.117	g			• •	0-1.	••	
	LESS	10	20	30	4 C	50	36 (	70	80	90	100	110	120	SUM
LESS					0.1	0.1								0.2
180		0.1		0.3	3.7	0.1								2.3
185		0.2	3.1	0.6	0.1	0.8	9.1	0.2		0.1				3.7
195		0.1		0.2	0.1			V. 2	0.1	J. I				0.0
200														
205														
SUP		0.4	9.1	1.1	2.0	1.6	0.3	0.0	0.5	0.1				7.0
:	MINUTES	FOR TO	QUE2 VS	RPM BY	NCI 221M	SEG	ASCENT,	BY RAT	E OF CLIME	-600	. 67	DAT	80	
	LESS	10	20	30	40	50	60	70	80	90	100	110	120	SUM
LESS		••	•••	•		0.1		. •	•	•				0.2
180	0.1			0.2	0.9	0.6		0.1						2.3
185	0.1	0.2	0.1	0.6	0.7	1.2		0.5						3.7
190	0.1			0.1	0.2		0.1	0.3						0.8
195 200														
205														
SUP	0.3	0.2	0.1	0.9	1.8	1.9	0.8	0.9						7.0
,	TINUTES	FOR TCA	ONET A2	RPM BY	#12210A				E OF CLIMB	-600	BY	OAT	90	
	LESS	10	20	30	40	50	60	70	•0	90	100	110	120	SUM
LESS		0.1		0.1	0.3	0.6	0.1	0.2	0.1	0.1				0.2
185	0.2	0.1	0.2	0.8	1.0	0.8		0.6	0.3	V. L				2.1 5.2
190			- · ·		0.1	0.0		0.0	0.0					0.2
195								0.0						0.0
200														
205			, ,	0.9	1.9	1.5	1.3		0.4					
SUP	3.2	0.1	J-2	0.7		1.0	1.3	1.1	0.4	0.1				7.7

	MINUTES	FOR TCR	QUEZ VS	RPH BY	MISS 104	SEG	ASCENT,	87	RATE	OF CLIMB	-600	, BY	CAT	90	
LESS	LESS	10	20	30	40	50	60		70 0.2	80	90	100	110	120	SUM
180 189 190 199	0.2		0.1	0.3 1.2 0.1	1.0	0.3	0.4		0.1	0.1 0.1 0.0 0.0					0.2 2.1 5.2 0.2 0.0
205 SUP			0.1	1.7	1.8	1.6	0.7		1.2	0.3					7.7
	MINUTES	FOR TCR	QUEL VS	RPM BY	MISS 104	SEG	ASCENT,	BY	RATE	OF CLIMB	-600	, BY	TAC	SUM	
LESS	LESS	10	20	30	40 0.2	50			70 0.2	80	90	100	110	120	SUM 0.8
180	0.3	0.3		2.1	3.3	1.4	0.5		0.3	0.5	0.1				9.1
185 196 195 206		0.3	1.4	0.5	0.4	0.0			0.2	0.8	0.1				20.3 1.6 0.0
ŠÚP		0.7	1.4	0.2	10.2	4.4	2.0		2.2	1.4	0.2				32.0
	MINUTES	FOR TOR	QUEZ VS	RPH BY	M ISS 104	SEG	ASCENT.	84	RATE	OF CLIMB	-600	, 87	QAT	SUM	
LESS	LESS	10	20	30	40	50 0.1			70	80	90	100	110	120	SUM 0.8
180	0.3	0.4	0.3	1.6	3.4	1.8	0.6		0.3	0.3					9.1
185 190 195 200 205	0.1	1.2	1.1	0.3	5.4	0.3			1.7	0.1 0.0 0.0					20.3 1.6 0.0
SUF	0.8	1.6	1.4	6.5	9.6	7.0	2.1		2.6	0.5					32.0
	MINUTES	FOR TCR	QUET A2	RPH BY	MISS TON	SEG	ASCENT,	BY	RATE	OF CLIMB	-300,	BY	OAT	50	
	LESS	10	20	30	40	50	60		70	60	90	100	110	120	SUM
185 185 190 195 200			0.6 1.2	4.5 7.8 4.5	0.3	4.3									0.3 20.8 6.5 5.7
205 SUP			1.0	16.8	12.3	4.4									35.4
	MINUTES	FOR TCR	DIES A2	8PH 6Y	MISSION	SEG	ASCENT,	BY	RATE	OF CLIMB	-300	, 87	CAT	50	
	LESS	10	20	30	40	50	60		70	80	90	100	110	120	SUM
LESS			1.6	1.1	7.6	10.3									20.8
185 190 195 200 205			5.5 4.6	1.1	1.4	0.1									8.5 5.7
SUP			11.7	3.3	9.7	10.4									35.4

TABLE VIII - Continued

	MINUTES	FOR TOP	QUE1 VS	RPH BY	HISSIDA	SEG	ASCENT.	BY	RATE	OF CLIMB	-300.	84	CAT	60	
LESS	LESS	10	20	30 0.1	40	50	60		70	80	90	100	110	120	SUM 0.6
180		0.4	6.2	13.2	18.9	10.			0.3						59.8
185		3.2	8.9	35.6	36.4	11.3			0.9	0.1					104.4
190 195 200			3.1	0.1	16.2	8.7	1.2		0.6						47.5 0.1
205 SUF	8.7	3.6	18.3	66.6	72.0	30.5	10.7		1.6	0.1					212.3
		3.0	• • • • • • • • • • • • • • • • • • • •	(3-10)			-								
	MINUTES	FOR TOR	QUE2 VS	RPM BY	M155104			8 Y		OF CLIMB	-300		CAT	60	
LESS		10	20	30	0.1	0.5	3		70	80	90	100	110	120	0.6
180		4.8	24.6	11.9	10.0 33.9	20.6			2.3						59.8 104.4
190		0.1	8.1	12.4	19.1	7.6									47.5
195 200			0.1												0.1
205 \$UM		4.9	31.5	46.7	63.1	47.2	5.9		2.3						212.3
•															
			ONET AR							OF CLIMB	-300,	-	OAT	70	
	LESS	10	20	30	40	50			70	80	90	100	110	120	SUM
LESS 180		1.6	2.8	0.4	0.3 20.4	11.2			1.0	0.6	0.2	0.2			64.3
185		1.6	9.4	36.9	76.6	46.			3.7	1.0	0.2	0.3			199.1
190		0.1	0.7	8.1	13.3	21.			1.9	0.2	•••	•••			55.7
195 200 205			0.5	0.1			0.1								0.7
SUP		3.3	13.4	55.9	110.6	80.4	37.4		6.6	1.8	0.4	0.5			321.3
	MINUTES	FOR TOR	QUE2 VS	APM BY	MISSION	SEG	ASCENT,	87	RATE	OF CLIMS	-300	, BY	OAT	70	
	LESS	10	20	30	40	50			70	.0	90	100	110	120	SUM
LESS				0.4	0.3	0.									1.5
180		1.0	7.0 35.4	10.3 37.6	13.0 33.1	16.2			3.9	0.4					199.1
190	702	***	3.7	7.6	14.8	20.5			1.1	V.1					55.7
195 200			0.5	0.1			0.1		•••						0.7
205 SUM	10.6	1 0	44 4	64.0	42.0	94 ^	41 4		7 0	0 =					331 3
3UF	10.6	1.8	46.6	56.0	62.0	94.0	41.8		7.9	0.5					321.3
	MI NUTES	FOR TOR	QUEL VS	APM BY	MISSION	SEG	ASCENT,	BY	RATE	OF CLIMB	-300,	84	OAT	80	
	LESS	10	20	30	40	50	60		70	80	90	100	110	120	SUM
LESS			20	0.1	0.2	,			. 0	•0	70	100	110	120	0.6
180	2.0		2.5	4.7	19.4	10.7	5.C		3.6	0.1	0.1	0.1			48.3
185		2.6	5.6	19.6	30.4	26.0			4.2	2.1	0.4	0.3			113.8
190		0.2	1.7	4.2	7.9	5.5			1.0	1.0					25.8
195					0.8		0.1								0.9
205															
SUP		2.6	9.8	28.7	58.7	42.2	30.2		8.9	3.3	0.5	0.4			189.4

	MINUTES	FOR TO	IRQUE2 VS	RPH B	N M122104	SEG	ASCENT.	DY RATE	OF CLIM	-300	. 8	Y OAT	80	
	LESS		20	30	40	50	) é0	70	80	90	100	110	120	SUM
LESS				0.1		0.		2.2						0.6
180				15.9	13.1 29.4	10.1			0.9	0.1				48.3
190			2.3	6.4	4.9	5.2			0.3					25.8
195				0.4	0.4	0.1		•••	003					0.9
200														
209														
SUP	4.4	7.2	21.0	29.4	47.8	45.0	22.4	9.9	1.3	0.1				189.4
	MI NUTES	FOR TO	RQUEL VS	RPH 84	MISSIDA	SEG	ASCENT.	BY RATE	OF CLIMB	-300	, BY	DAT	90	
	LESS	10	20	30	40	50	60	70	80	90	100	110	120	SUM
LESS		0.1				0.3								0.4
180				2.9	4.9	5.1		3.1	0.7	0.1				25.8
165				13.1	14.2	24.3		7.1	4.1	1.1				82.2 19.2
190 195 200			1.3	2.4	7.0	3.5	0.8	1.6	0.9	V. 0				0.2
205 SUP		3.6	9.5	18.4	26.1	33.2	13.4	11.8	5.9	1.6				127.8
1	MINUTES	FOR TG	RQUE2 VS	RPH BY	MISS TON	SEG	ASCENT,	BY RATE	OF CLIMS	-300		DAT	90	
	LESS	10	20	30	40	50		70	80	90	100	110	120	SUM
LESS						0.3	0.1		0.3					0.4 25.8
180	0.8	1.3	3.9 9.9	5.0 12.6	5.4 24.7	4.3		1.3	0.8					82.2
190	0.2	•••	3.2	6.8	3.5	1.9	0.4	3.1	0.1					19.2
195	***								0.2					0.2
200														
205 5UP	1.8	2.6	17.0	24.4	35.6	20.6	13.6	10.7	1.4					127.8
30-		•••	20		3,00		• • • • • • • • • • • • • • • • • • • •	••••	•••					
,	41 NUTES	FOR TCI	SOTET A2	RPH BY	MISS ION	SEG	ASCENT,	BY RATE	OF CLIMS	-300,	84	DAT	SUM	
	LESS	10	20	30	40	50	60	70	80	90	100	110	120	SUM
LESS	0.3	0.1	20	0.6	1.3	1.1	9(	10	••	70	100	***	120	3.3
180	17.1	3.9	13.0	35.7	75.8	41.7	21.7	8.0	1.4	0.4	0.3			219.0
185	9.0	9.1	31.3	113.1	•	108.3	54.C	16.0	7.3	1.7	0.6			508.0
190	1.4	0.2	8.1	36.9	44.3	39.6	15.7	5.1	2.1	0.6				154.0
200			0.5	0.2	0.8		0.2		0.2					1.9
205														
SUP	27.7	13.3	52.8	186.5	279.7	190.7	91.7	29.1	11.1	2.7	0.9			866.2
•	INUTES	FOR TOP	ONE AZ	RPH BY	MISSION	SEG	ASCENT.	BY RATE	OF CLIMB	-300	. 84	DAT	SUM	
	LESS	10	23	30	42	50	60	70	80	90	100	110	120	SUM
LESS	0.3	8.5	21.2	0.5 34.9	50.1	1.8	17.3	10.4	0.7	0.1				3.3
185	7.7	8.0	84.2	91.6		21.6	54.3	13.8	1.8	V				508.0
190	1.5	3.3	21.9	34.5	42.	35.3	11.5	6.6	0.4					154.0
195	2.0		J.6	0.5	0.4	0.1	2.1		0.2					1.9
205														
SUM	23.4	16.5	128.0	161.7	218.9 2	18.2	83.7	30.9	3.2	0.1				886.2

	MINUTES	FOR	TORG	UEL VS	RPM BY	MISSION	SEG	ASCENT,	BY R	A TE	OF	CLIMB	300	, BY	OAT	50	
	LESS		10	20	30	40	50	60		70		80	90	100	110	120	SUM
LESS 180 185 190 195 200				1.2	0.5 1.5 0.2	3.4	1.5	<b>S</b>									5.4 2.8 0.2
205 SUP				1.2	2.2	3.5	1.5	·									8.5
	MINUTES	FOR	TORQ	UE2 VS	RPM BY	MISSION	SEG	ASCENT.	BY R	ATE	OF	CLIMB	300	. 87	CAT	50	
	LESS		10	20	30	40	50	60		70		80	90	100	110	120	SUM
LESS 180 185 190 195 200				2.2	0.5 0.6 0.2	3.5 0.1	1.4	<b>)</b>									5.4 2.8 0.2
205 SUP				2.2	1.2	3.6	1.4										8.5
	MI NUTES	FOR	TORC	MET A2	RPH BY	MISSION	SEG	ASCENT,	BY R	ATE	OF	CLIMB	300	BY	OAT	60	
	LESS		10	20	30	49	50	60		70		80	90	100	110	120	SUM
LESS 100				2.8	8.0	0.1 6.2	4.9										0.1 25.6
195 195 200 205	NI.		1.3	3.1	8.0	22.5 4.5 0.4	3.1			.1							57.6 15.8 0.4
SUM			1.3	6.5	37.9	33.9	10.2	2 4.0	3	.1							99.5
	MINUTES	FOR	TORQ	JEL VS	RPM BY	MISSION	SEG	ASCENT.	BY R	<b>A</b> TE	OF	CLIMB	300	, BY	OAT	60	
LESS	LESS		10	20	30	9.1	50	60		70		80	90	100	110	120	SUM 0.1
180	1.9	1	1.3	1.0	7.4	5.6	6.0		1								25.6
185 190 195 200				7.6	3.0	15.3 2.8 0.4	2.3		0	-1							57.6 15.8 0.4
205 SUP		1	.3	27.0	24.0	24.1	16.4	3.9	0	.1							99.5
	MI NUTES	FOR	TORG	ue. vs	RPM BY	H155104	SEG	ASCENT.	BY R	ATE	OF	CLIMB	300	. 87	OAT	70	
	LESS		10	20	30	40	50			70		80	90	100	110	120	SUM
LESS 180	4.6		0.2	1.7	9.6	15.9	10.	7.7	2	. 3		1.4					1.7
185			0.1	3.7	29.5	43.7	41.5			. 4	-	0.9	3.4				159.4
195 200 205			,			1.3	1.4	0.1	0	. 0							3.6
SUP	7.9		0.8	7.3	48.7	80.7	73.1	52.6	10	. 1		2.3	0.4				291.1

	MINUTES	FOR TO	RQUE2 VS	RPM BY	MISSION	SEG	ASCENT,	BY RATE	OF CLIMB	300	, 87	DAT	70	
LESS	LE\$\$	10	20	30 0.2	40	0.2		70	80	90	100	110	120	SUM 1.7
180		5.0	4.3	6.0	9.8	10.6		4.6						54.1
185		1.6	15.7	20.7	31.9	38.5		10.4	0.8					159.4
190		•••	6.5	9.8	9.9	21.4		3.3	0.0					72.3
195				0.4	***	1.4		3.3						3.6
200				0.4			1.6							3.0
205									2.5					
SUM	9.0	6.6	26.6	37.2	51.5	72.1	69.0	18.3	0.8					291.1
	MINUTES	FOR TO	ROUF! VS	RPH BY	MISSION	SEG	ASCENT.	AY RATE	OF CLIMB	300	BY	CAT	80	
									o. o.,			•		
	LESS	10	20	30	<b>4</b> C	50	60	70	80	90	100	110	120	SUM
		10	20	30	70			70	90	70	100	110	160	0.3
LESS						0.			•					43.4
180		0.1	0.2	1.9	12.7	13.0			0.1	0.1				
105		0.5	3.9	13.4	24.6	32.0			1.6					118.4
190		0.4	0.8	5.0	9.1	3.9			0.7	0.3				38.1
195	i					0.6	0.1	0.1						0.8
200	1													
205	i													
SUP	3.6	1.0	4.9	20.4	46.5	49.0	5 54.7	17.2	2.6	0.4				200.9
	*****									200				
	MINUTES	FOR TO	MODES A2	RPM BY	W122104	ZEG	ASCENT.	BY RATE	OF CLIMB	300	, BY	DAT	80	
										2.2		1.1		
	LESS	10	20	30	40	50			80	90	100	110	120	SUM
LESS					0.1	0.1	0.1							0.3
180	3.0	0.6	3.8	2.8	6.9	12.0	11.8	2.1	0.4					43.4
185	1.1	2.7	7.7	10.0	23.6	36.0	25.7	10.7	0.5					118.4
190			2.2	2.3	9.4	8.			0.1					38.1
199							0.5							0.8
200							•••	•••						•••
209		3.3	13.7	15.1	39.9	56.	46.7	19.9	1.3					200.9
SUP	4.1	3.3	13.7	73.7	37.7	70.	70.1	17.7	1.5					20007
		-10												
	MINUTES	FOR TC	IONET A2	RPM BY	W1221D4	SEG	ASCENT,	BY RATE	OF CLIMB	300,	BY	DAT	90	
	LESS	10	20	30	40	50	60	70	80	90	100	110	120	SUM
LESS					0.1	0.2	0.1	0.3						0.7
180		0.4	0.1	1.5	5.5	3.0	12.4	3.9	0.6					27.5
185	0.4	0.8	1.6	6.2	18.9	18.5	18.3	13.4	7.3	1.0				86.3
190				1.1	4.2	1.8		1.9	1.1					13.7
195						0.1		0.2						0.9
200							•							• • •
203														
	0.5	1.1	1.7	8.9	28.7	23.6	34.6	19.7	9.0	1.0				129.0
SUP	0.5	1.1	***	0.7	201	23.4	34.6	471.	,,,,					12710
	MINUTES	FOR TO	ROUES AR	RPM BY	M 122 104	SEG	ASCENT,	BY RATE	OF CLIMS	300	. BY	OAT	90	
	LESS	10	20	30	40	50	60	70	80	90	100	110	120	SUM
LESS					0.4		0.3	-						0.7
100		0.2	2.0	1.3	4,5	5.0		2.0	0.1					27.5
185		0.7	3.9	12.9	13.9	16.5		12.7	3.3					86.3
		0.1	3.1	1.5	3.7	2.0		4.0						13.7
190		0.1	J. L	6.7	· ·	0.1		0.8						
195						J. I		J. 8						0.9
500														
205					1									
SUM	0.9	1.0	6.0	15.7	22.5	23.6	36.5	19.5	3.4					124.0

	MINUTES	FOR TO	RQJEL VS	RPM BY	M15510	SEG	ASCENT,	BY RATE	OF CLIMB	300	. 87	DAT	SUM	
	LESS	10	20	30	4 C	50	60	70	80	90	100	110	120	SUM
LESS	0.4			0.2	0.5	0.9			-	_				2.8
180				21.5	43.8	32.8		9.5	2.1	0.1				156.1
185		2.7		72.6 23.8	36.4	95.2		38.0 9.1	9.9 1.8	1.4				424.5
190		0.9	3.2	23.0	1.7	2.0		1.1	4.0	0.3				5.6
200					• •		•	•••						,,,,
205														
SUM	14.7	4.3	21.7	118.0	192.5	158.2	146.1	58.0	13.8	1.8				729.1
	MINUTES	FOR TO	RQJEZ VS	RPM BY	M12210A	SEG	ASCENT,	BY RATE	OF CLIMB	300	, BY	DAT	SUM	
	LESS	10	20	30	40	50	6 C	70	30	90	100	110	120	SUM
LESS	0.3		0.2	0 · Z	0.6	0.3	1.2							2.8
180	9.6	7.1	11.1	17.9	30.3	35.1 99.1	35.8	8.7	0.5 4.9					156.1
185	6.9	5.1 0.1	47.9	57.8 16.9	84.7 25.8	34.3	84.4	33.9 14.0	0.1					424.5
195		٠		0.4	0.4	1.5	2.3	1.1	•••					5.6
200						-								
205			20.0						211					
SUP	16.7	12.3	75.5	93.2	141.5	170.2	156.1	57.7	5.5					729.1
	MINUTES	FOR TC	RQUE1 VS	RPM BY	MISS ION	SEG	ASCENT,	BY RATE	OF CLIMB	600	, 8Y	OAT	50	
	LESS	10	20	30	40	50	60	70	80	90	100	110	120	SUM
LESS 180				0.3	0.5 1.7	0.5								0.5
185			0.1	0.3		0.4								2.5 0.5
190 195 200 205			•••											0.9
SUM			0.1	0.3	2.2	0.9								3.4
	MINUTES	FOR TO	RQUEZ VS	RPM BY	MISSION	I SEG	ASCENT,	BY RATE	OF CLIMB	600	, BY	CAT	50	
	LESS	10	20	30	40	50	6C	70	80	90	100	110	120	SUM
LESS					0.5				-			•		0.5
160					0.9	1.6								2.5
185 190 195 200 205				0.1		0.4								0.5
SUP				0.1	1.3	1.9	0.1							3.4
	MINUTES	FOR TO	RQUEL VS	RPM BY	MISSIO	SEG	ASCENT,	BY RATE	OF CLIMS	600	, BY	CAT	60	
	LESS	10	20	30	4.3			70			1.00			
LESS		10	20	30	0.0	50	60	70	80	90	100	110	120	SUM
180				4.1	7.3	5.9	5.1	0.7						24.4
185	0.3		1.1	10.3	7.7	2.2								24.5
190				3.3	1.0	2.3								6.5
195														
200														
SUF			1.1	17.6	16.7	10.4	8.0	0.7						55.5

TABLE VIII - Continued

	MINUTES	FOR TO	SV SELD N	RPM BY	MISSION	SEG	ASCENT.	BY RATE	OF CLIME	600		DAT	60	
LES		-		30	0.0	50	60		80	90	100	110	120	0.0
18	0.2		4.8	3.1 6.2	7.5	3.6	7.2							24.4
199 199	5	•	1.9	1.9	1.7	1.0								6.5
20! SU		i	7.2	11.2	17.3	8.0	4.6	0.6						55.5
	MINUTES	FOR TO	RQJEL VS	RPM BY	MISS ION	SEG A	SCENT,	BY RATE	OF CLIMB	600	. BY	OAT	70	
	LESS	10		30	4 C	50	60	70	80	90	100	110	120	SUM
LESS		0.2	0.2	8.2	0.5 7.8	7.6	8.1	5.1	0.9					1.3
185	1.2		3.0	11.6	25.4	29.2	15.3	5.3	2.2	0.6				93.7
195	3	2.4	0.1	5.5	9.1	8.8	7.3	0.1	0.4					0.8
SUN		2.6	4.0	25.2	42.7	46.3	31.3	14.9	3.5	0.6				177.2
	MINUTES	FOR TO	RQUE2 VS	RPM BY	MISSION	SEG A	SCENT,	BY RATE	OF CLIMB	600	, 87	DAT	70	
	LESS	10	20	30	40	50	60	70	60	90	100	110	120	SUM
LESS		1.2	1.1	7.0	5.7	9.8	9.6	3.1	1.8					1.3
105				11.1	19.8	20.8	19.5	9.0	0.6					93.7
195 195 200 205	; )		4.1	2.3	12.9	7.4	0.8	3.4						38.1
SUP		2.0	16.1	20.6	38.3	38.5	37.9	15.4	2.4					177.2
	MINUTES	FOR TO	RQUE1 VS	RPM BY	MISSION	SEG A	SCENT,	BY RATE	OF CLIMB	600,	BY	OAT	80	
	LESS	10	20	30	40	50	6 C	70	90	90	100	110	120	SUM
LESS 180				2.0	7.5	8.6	8.7	8.4	0.5					37.3
185	0.7		1.2	6.2	17.1	24.5	34.C	14.2	2.6	1.2	0.1			101.8
190				5.4 0.2	6.9 1.3	7.2	2.1	0.1	0.2					34.8
200														
205 SUP			1.2	13.8	32.0	40.4	53.2	29.2	3.4	1.2	0.1			177.7
	AT MUTES	END THE	DUEZ VS	RPM RY	WOI 221M	SEG AS	SCENT.	AV RATE	OF GLIMB	630	ВУ	OAT	80	
														61174
ESS	LESS	10	20	30	40	50	60	70	80	90	100	110	120	SUM
180	0.3	0.6	4.2	3.5	6.4	9.0	9.2	2.6 20.1	3.1 2.7					37.3
185	0.3	0.0	2.8	0.9	9.4	5.8	7.6	7.8	0.5					34.8
195 200 205				1.3		0.2	2.2	0.1						3.8
SUP	4.9	0.6	5.8	10.8	33.2	38.0	47.5	30.6	6.3					177.7

•	41 MUTES	FOR TO	RQUE: VS	RPM BY	MISSION	SEG	ASCENT.	BY RATE	OF CLIMB	600.	BY	DAT	90	
LESS	LESS	10	20	30	40	50 0.3		70	80	90	100	110	120	SUM 0.4
180				2.0	3.9	4.0		4.2	0.1					26.6
185		0.1		8.1	11.0	13.6	23.4	15.3	1.6	0.5				75.7
190			0.2	1.4	2.0	2.7	1.3	5.5	1.3					14.5
195							0.4	0.2	0.2					0.8
200														
205		0.1	1.9	11.6	17.0	20.6	37.6	25 2	1 4					
305		0.1	4.7	11.0	11.0	20.0	31.6	25.2	3.5	0.5				118.0
								6	OF CLIMB	600		OAT	90	
LESS	LESS	10	20	30	40	50	0.4	70	•0	90	100	110	120	SUM 0.4
180	0.1	0.1	1.5	0.4	4.1	6.6		1.4						26.6
185	•••	0.2		5.9	13.8	21.0		14.0	2.2					75.7
190		0.2		0.6	3.4	2.2		3.2	0.4					14.5
195								0.8						0.8
205						20.								
SUP	0.1	0.5	7.4	7.0	21.2	29.7	30.0	19.4	2.6					118.0
	MINUTES	FOR TO	RQUEL VS	RPH BY	MISSION	SEG	ASCENT.	BY RATE	OF CLIMB	600	. 87	OAT	SUM	
	LESS	10	20	30	40	50	60	70	80	90	100	110	120	SUM
LESS		10	0.2	30	1.0	0.9				70	100	110	120	2.2
180		0.2		16.6	28.2	26.6		18.4	1.6					134.1
185				36.2	61.1	69.6			6.6	2.3	0.1			296.2
190				15.6	19.0	21.1	17.1	16.5	1.9					93.9
195				0.2	1.3	0.1	3.2	0.4	0.2					5.4
200														
205								70 .						
SUM	10.1	2.7	8.4	68.6	110.	110.3	130.2	70.1	10.3	2.3	0.1			531.8
	MINUTES	FOR TO	IRQJE2 VS	RPM BY	MISSION	SEG	ASCENT.	BY RATE	OF CLIMB	600	. BY	DAT	SUM	
	LESS	10	20	30	40	50		70	90	90	100	110	120	SUM
LESS				0.2	0.5	0.5							•	2.2
180	7.8	1.3		14.0 28.3	25.1 58.5	30.5		7.7	5.6					134.1 296.2
190		0.2		5.8	27.3	16.3		14.4	0.9					93.9
195				1.3		0.2		0.9						5.4
200														
205														
SUP	9.5	3.2	: , <b>39.</b> + 'n	49.7	111.4	116.1	125.1	66.1	11.4					531.8
	MINUTES	FOR TO	RQUEL VS	RPM BY	MISSION	SEG	ASCENT,	BY RATE	OF CLIMB	900,	BY	OAT	50	
	LESS	10	20	30	40	50	60	70	80	90	100	110	1 20	
LESS	r£22	10	20	30	0.0	30	00	70	-0	70	100	110	120	SUM
180					0.0									0.0
185				0.4	- • •									0.4
190				0.5	0.1									0.6
195														
200														
205														
SUP				0.9	0.2									1.1

TABLE VIII - Continued

	MINUTES	FOR	TORQ	UE2 VS	RPM BY	MISSION	SEG	ASCENT,	BY	RATE	OF CLIMA	900	. 67	OAT	50	
LESS 100			10	20	30	49 0.0 0.0	50	60		70	80	90	100	110	120	SUM 0.0 0.0
185 190 195 200				0.4		0.1										0.4
205 SUP				0.9		0.2										1.1
	MINUTES	FOR	TORO	UE1 VS	RPM BY	MISSION	SEG	ASCENT.		RATE	OF CLIMB	900,	BY	CAT	60	
	LESS		10	20	30	40	50			70	80	90	100	110	120	SUM
LESS			10			0.9					- 50	70	100	110	120	0.9
180 185 190 195 200				3.7	2.0 3.4 0.1	4.3 2.3 0.2	1.5 5.0	1.6		9.2 9.9	0.3					13.7 1.1
205 SUP	1.2			6.8	5.5	7.7	7.4	4.8	,	1.2	0.3					28.9
	MINUTES	FOR	TORG	NEZ VS	RPM BY	MISSION	SEG	ASCENT,	84	RATE	OF CLIMB	900	, BY	OAT	60	
	LESS		10	20	30	40	5			70	80	90	100	110	120	SUM
LESS 180	1.2			0.5	2.8	4.6	2.	3 1.2		0.5						0.9 13.2
185 190 195 200 205				2.4	0.1	6.1 0.3	2.									13.7
SUF				3.0	3.9	11.9	5.7	2 3.3		0.5						28.9
1	MINUTES	FOR	TORQ:	JEI VS	RPM BY	MISSION	SEG	ASCENT,	8Y F	ATE	OF CLIMB	900•	ву	OAT	70	
	LESS		10	20	30	40	50			70	80	90	100	110	120	SUM
LESS 180	3.8			0.3	1.5	4.2	1.1	6.5	3	1.6						2.5 30.8
185 190 195 200	1.7			1.6	12.9 2.7	17.1 5.8	16.3			. 2	1.3	0.1				62.5
205 SUP	5.5			1.6	23.3	27.1	35.1	17.7	1	.4	1.3	0.1				119.3
	MINUTES	FOR	TORG	NES A2	RPM BY	MISSION	SEG	ASCENT,	BY F	ATE	OF CLIMB	900	, 8Y	OAT	70	
	LESS		10	20	30	40	50			70	80	90	100	110	120	SUM
LESS 180	3.6			1.9	1.5 3.6	0.5 5.3	5.2			. 5	0.1					2.5 30.8
185 190 195 200	1.7	C	7	6.2	7.9	14.6	18.3		2	.5	0.1					62.5
205 SUP	5.5	0	. 7	9.6	14.8	31.3	29.3	22.7	5	.0	0.3					119.3

	MINUTES	FOR TCR	SA Tarb	RPH BY	MISSION	SEG	ASCENT.	BY RATE	OF CLIMB	900	, BY	DAT	80	
	LESS	10	20	30	40	50		70	80	90	100	110	120	SUM
LESS						0.1								0.1
180				0.9	4.1	9.0		2.6 8.5	0.1					22.2 67.8
190		0.2	1.9	4.8	2.5	17.8		2.5	0.1					22.7
195			0.2	0.1	2.1	0.2		,	***					0.6
200				•••										•••
205														
SUP	1.1	0.2	2.1	9.0	22.9	36.6	26.4	13.6	1.5					113.4
ı	MINUTES	FOR TGR	QJE2 VS	RPM BY	MISSION	SEG	ASCENT.	BY RATE	OF CLIMB	900	, BY	OAT	80	
	LESS	10	20	30	4.2	50	6C	70	80	90	100	110	120	SUM
LESS		••		0.1	0.1					-	• • •			0.1
180	0.3			1.6	3.1	10.3	4.6	2.3						22.2
185	0.9	0.1	2.0	3.0	16.9	21.8	14.7	7.6						67.8
190		0.7	Ú.8	1.0	5.7	7.3	5.é	1.6						22.7
195			J.2	0.1	0.1		0.2							0.6
205														
SUP	1.2	0.8	3.0	6.6	26.3	39.4	25.1	11.4						113.4
	MI NUTES	FOR TCR	ONET A2	RPM BY	MISSION	SEG	ASCENT,	BY RATE	OF CLIMS	900,	, BY	OAT	90	
	LESS	10	20	30	40	50		70	80	90	100	110	120	SUM
LESS						0.1		0.3						0.5
180		0.3	0.1	1.8	3.7	5.6		1.1	0.1 0.9	0.1				19.3
190		0.5	0.4	3.2	2.2	2.5		0.4	0.1	1.0				9.2
195				0.5			• • • •	•••	•••					0.5
20C														
205														
SUM	U.2	0.3	0.5	9.4	12.6	18.2	20.9	13.4	1.1	1.9				78.5
	<b></b>	500 PC		20. 1.				au 4495		444		<b>-</b>	~.	
'	MIMOLE?	FUR TCR	ONES A2	RPM BY	# 122 ID4	SEC .	ASCENT,	BY TATE	OF CLIMB	900	, BY	DAT	90	
	LESS	10	20	30	40	50	60	70	80	90	100	110	120	SUM
LESS						0.3	0.2							0.5
180		0.1	0.2	1.7	2.5	6.2	7.3	1.4						19.3
185		0.1	1.9	2.8	6.0	12.2	13.e	10.1	2.3					49.0
190			0.5	0.4	3.7	1.9	2.3	0.3						9.2
200					0.,									0.5
205														
SUM		0.2	2.7	4.9	12.7	20.5	23.5	11.8	2.3					78.5
	MINUTES	FOR TOR	2V iBUD	RPM BY	MISSION	SEG	ASCE'T.	SY RATE	OF CLIMB	900.	, BY	OAT	SUM	
									J. J	,				
	LESS	10	20	30	40	50		70	90	90	100	110	120	SUM
LESS				1.5	1.0	1.3		0.3						4.2
180		0.5	3.7	25.5	16.4	22.3		7.5 24.2	0.2	0.1				85.5
190		0.3	3.4	9.8	10.0	24.3		3.5	3.9 0.2	1.9				193.4
195			3.2	0.6	0.1	0.2		3.7	0.2					57.0
200				J		_ • •								1.1
205														
\$UP	8.0	0.5	5.3	48.2	70.4	77.3	69.7	35.5	4.2	2.3				341.2

	-140162	FUR ICE	ADES A2	KP7 61	w1221014	250	ISCENT!	DY KAIE	OF CLIMB	400	, 67	UAT	20M	
	LESS	10	20	30	41	50	60	70	80	90	100	110	120	SUM
LESS		•		1.5	1.5	0.4	3.6					•••		4.2
180		0.1	2.7	9.7	15.6	23.9	21.4	6.6	0.1					85.5
185		0.9	12.7	15.5	43.5	54.4	40.9	20.2	2.4					193.4
190		0.7	3.3	3.4	20.8	15.7	11.2	1.9						57.0
195			3.2	0.1	0.6		0.2							1.1
200														
SUP	7.9	1.7	19.2	30.2	82.7	94.4	74.6	28.7	2.6					341.2
30.		•••		30.2	02.	,,,,	,,,,	20.,	2.0					7444
1.	IINUTES I	FOR TCRY	SO VEF	RPM BY	MISS 10N	SEG AS	SCENT, F	3V RATE	OF CLIMB	1200	, BY	OAT	60 120	SUM
LESS		•-	• •	•				. •			•••	•••	•••	
180	1.1		3.2	0.3	4.4	1.0	1.0							8.0
185		0.2	3.4	0.	1.3	3.2	0.2	0.1						6.2
190 195 200 205				0.3	0.3									0.6
SUP	4.1	0.2	3.6	1.5	6.0	4.2	1.2	0.1						14.9
	MINUTES								DF CLIMB	120			60	CIIM
LESS		10	20	30	40	50	60	70	80	40	100	110	120	SUM
180				0.9	4.3	1.1	0.1							8.0
165			0.9	0.8	1.6	2.1	0.9							6.2
195 205 205 SUP			0.2	1.6	6.7	3.1	1.C							14.9
	MI NUTES	FOR TCH	gJE: VS	RPM 81	/ MISSIO'	9 SEG -	ASCE.T.	BY RATE	OF CL148	120	D. BY	0AT	73 120	SUM
LESS		10	20	30	•	0.1	0.0	,,		70	100	110	120	0.1
180				1.1	3.5	8.0	1.4	2.7						16.4
189			9.6	5.4	6. 4	9.5	4.C	2.0	0.1					29.1
190				1.0	3.0	9.9	1.1	0.2						15.1
195				0.0	3.1	0.2								0.3
205														
SUP			J.6	7.5	13.4	27.7	L	2.9	0.1					61.0
	11NUTES	FOR TORG	JJEZ VS	RPM BY	MISSION	SEG A	SCENT,	BY RATE	OF CLIMB	1200	. 84	OAT	70	
	FFZZ	10	20	30	4)	50	60	70	80	90	100	110	120	SUM 0.1
LESS	, ,		J. 2	0.9	5.1	6.3	1.9	0.2	0.1					16.4
180	0.7		2.3	3.0	8.5	9.4	3.6	0.6						29.1
185	0.7		3.6	0.9	5.7	6.6	í.c	0.3						15.1
195 200 205					j.:	0.2								0.3
SUP	2.3		3.6	4.8	19.5	22.6	5.7	1.4	0.1					61.0

	MINUTES	FOR TOR	dies az	RPM BY	MISS TON	SEG	ASCENT.	BY R	TE	OF CLIMB	1200	84	OAT	80	
LESS	LESS	10	20	30	40	0.2			70	80	90	100	110	120	SUM 0.2
180		0.1	J.0	0.4	2.5	4.0	1.3		. 7	0.1					9.6
185		0.1	0.1	3.2	9.2	12.1		1.		• •					33.3
190 195			0.1	0.6	1.4	4.4	3.3	1.	•	0.1					11.6
200				•••											
205			6.3			10.7		4							54.9
SUP	0.5	0.2	0.2	4.4	13.3	20.7	11.4	4.		0.2					74.7
	MINUTES	FOR TCR	QUE2 VS	RPM BY	MISSION	SEG	ASCENT.	BY RA	TE	OF CLIMB	1200	, BY	OAT	80	
	LESS	10	20	30	40	50	60 0.2	1	0	60	90	100	110	120	SUM
LESS 180			0.3	1.6	2.2	3.4		٥.		0.1					9.6
185			0.9	1.0	7.2	13.8	7.6	2.	5						33.3
190			0.3	0.2	3.1	6.5	0.7	0.							11.6
195 200					0.2										0.2
205															
SUP	0.6		1.5	2.9	12.7	23.7	9.2	4.	1	0.1					54.9
	MINUTES	FOR TCR	QUE1 VS	RPM BY	M155104	SEG	ASCENT,	BY RA	TE	OF CLIMB	1200,	84	OAT	90	
	LESS	10	20	30	40	50	60	1	0	80	90	100	110	120	SUM
LESS 180			0.1	0.2	2.:	5.2	0.5	0.		0.3					9.3
185			G.3	1.7	5.4	11.7		5.		0.7	1.8				33.9
190				1.7	1.5	4.1	1.4	0.	5	0.7					10.0
195 200															
205															
SUP			0.4	3.6	9.:	21.0	9.2	6.	7	1.7	1.8				53.5
	MINUTES	FOR TOR	QUE2 VS	RPM BY	MISSION	SEG	ASCENT,	BY R	TE	OF CLIMB	1200	, BY	DAT	90	
	LESS	10	20	30	40	50	60		70	80	90	100	110	120	SUM
LESS							0.3			•••				120	0.3
180			0.1	0.4	1.7	3.1			7						9.3
185		0.1	0.5	1.1	6.5	12.6		0.		0.1					33.9 10.0
195					•••	•	•	•		•••					10.0
200															
205 SUP		0.1	J.6	4.1	10.1	20.7	11.5	5	9	0.2					53.5
		•••	•••		••••		,	,		***					73.7
	MIMITEE		DUE: VC		MISSIN	SEG	ASCENT:	AV 34	TE	OF CLIMB	1200.		DAT	SUM	
	LESS	10	20	30	40	50		7	0	80	90	100	110	120	SUM
LESS 18C						0.3		_		0.3					0.6
		Λ.1	11.2	2.0	12.4	18.7	4.4		2	0-1					4 9 9
	3.1	0.1	1.4	2.0 11.1	12.4	18.2		9.	2	0.1	1.8				43.3
185	3.1		1.4	11.1	22.A	36.5	17.8 5.8		1		1.8				43.3 102.5 37.3
185 190 195	3.1		1.4	11.1	22. 4	36.5	17.8 5.8	9.	1	0.8	1.8				102.5
185 190 195 200	3.1		1.4	11.1	22.A	36.5	17.8 5.8	9.	1	0.8	1.8				102.5 37.3
185 190 195	3.1		1.4	11.1	22.A	36.5	17.8	9.	1	0.8	1.8				102.5 37.3

	MINUTES	FOR	TCR	DJE2 VS	RPM 84	MISSION	SEG	ASCENT,	яч	RATE	OF	CLIMB	1200	. 8	/ DAT	SUM	
LESS	LeSS		10	20	30	40	50 0.1			70		80	90	100	110	120	SUM 0.6
180	3.3	,	0.1	J.6 5.1	3.8	13.4	14.4	5.3		1.7		0.2					43.3
190		,		1.1	3.8	11.3	17.4	2.4		1.6		0.0					37.3
195 200						0.3	0.2										0.5
205 SUM		(	0.1	0.8	13.6	49.1	70.2	28.4	1	1.4		0.4					184.3
	MINUTES	FOR	TCR	SA 1300	RPM BY	MISS 104	SEG	ASCENT.	84	RATE	OF	CLIMB	1500	84	CAT	50	
	LESS		10	20	30	40	50	60		70		80	90	100	110	120	SUM
LESS 180							0.3										0.3
185					0.2												0.2
195																	
205 SUP					0.2		0.3										0.5
301					***		•••										•••
	41 W.T.		750		884 BV	NOI 221M	***		8.		05	C1 144	1500	•	OAT	50	
		FUR							ВТ		UF						P1144
LESS			10	20	30	40	50	60		70		90	90	100	110	120	SUM
180				0.2			0.3										0.3
190																	
20¢ 205																	
SUP				J.2			0.3										0.5
'	MINUTES	FOR	TCRO	ner A2	RPM BY	MISS 104	SEG A	SCENT.	BY 1	RATE	OF	CLIMB	1500,	84	TAC	60	
LESS	LESS		10	20	30	40	50	60		70		80	90	100	110	120	SUM
180					0.2	1.1	1.3	0.9									3.3
190					0.1	•••											0.1
200																	
205 SUP					0.3	2.0	1.3	0.5									4.4
,	41 NUTES	FOR	TCRQ	UE2 VS	RPM BY	MISSION	SEG A	SCENT,	BY F	ATE	0F	CLIMB	1500	, BY	OAT	60	
	LESS		10	20	30	4 C	50	60		70		80	90	100	110	120	SUM
LESS 18C						1.9	0.4	1.1									3.3
185				J.1	0.2	0.8											1.0
195 200				. , •													
205 SUP				J.1	0.2	2.7	0.4	1.1									4.4
305				J. 1	V+ E			•••									7.7

	MI NUTES	FOR	TORG	MET A2	RPH BY	HISS ION	SEG	ASCENT.	BY RATE	OF CLIMB	1500	. BY	DAT	70	
LESS	LESS		10	20	30	4 C	0.2		70	•0	90	100	110	120	SUM 0.2
180	0.7				0.6	1.4	2.3			0.1					7.7
185				0.1	0.2	1.6	3.2		0.1						7.6
190					0.6	1.1	0.1		0.2						3.0 0.2
195							0.4								0.2
205															
SUP				J.1	1.4	4.2	6.6	5.C	0.3	0.1					18.6
	MINUTES	FOR	TORG	UEZ VS	RPM BY	MISSION	SEG	ASCENT.	BY RATE	OF CLIMB	1500		OAT	70	
				••					••						
LESS	LESS		10	20	30	40	50	0 6C	70	80	90	100	110	120	SUM
180					0.2	2.9	2.8		0.2						0.2 7.7
105				J.2	0.4	2.4	2.1		0.1						7.6
190				0.1		2.0	0.7								3.0
195							0.2								0.2
200															
205 SUP				0.3	0.5	7.2	5.7	3.6	0.3						18.6
JUP	1.0			0.5	0.5	***	,.,	,	7.3						10.0
	MI NUTES	FOR	TCRQ	JEL VS	RPM BY	MISS ION	SEG	ASCENT.	BY RATE	OF CLIMB	1500.	87	CAT	80	
													•	•••	
	LESS		10	20	30	40	50		70	80	90	100	110	120	SUM
LESS							0.3								0.3
185				3.1	1.9	0.1 3.4	6.4		0.2						5.5 18.7
190				•••	0.4	2.6	2.4		0.2						6.1
195							-	0.1							0.1
20C															•••
205 SUP				0.1											100
305				0.1	2.3	6.1	12.0	0.1	2.1						30.8
	MINUTES	FOR	TCRQ	UE2 VS	RPM BY	MISS 104	SEG	ASCENT.	BY RATE	OF CLIMB	1500		DAT	80	
	LESS		10	30	30	4.0									47.77
LESS			IO	20	30	40	50 0.1		70	80	90	100	110	120	SUM
183					0.1	1.4	3.4		0.2						0.3
185				3.1	1.5	6.4	4.8		0.9						5.5 18.7
190				0.3	0.1	3.9	0.8								6.1
195								0.1							0.1
200															
205 SUP				J.4	1.7	11.6	9.0	6.9	1.1						
•••				***	•••	****	7.0	0.1	***						30.8
	MINUTES	FOR	TCRQ	JEI VS	RPM BY	MISSION	SEG	ASCE'IT.	BY RATE	OF CLIMB	1500.	84	QAT	90	
	LESS		10	20	30	4.0			30	••					
LESS			10	20	30	4 C	50	é C	70	80	90	100	110	120	SUM
180					0.4	0.4	3.1	1.4	0.3						5.5
135	0.1	0	1.1		0.7	4.1	4.2	4.2	0.6						14.0
190					0.1	0.5	1.4	0.7	0.1						2.9
195															
205															
SUP		0	1.1		1.2	5	8.7	6.3	1.0						22.5
					_				•						66.7

	MINUTES	FOR	TORQ	nes A2	RPM BY	MISSION	SEG	ASCENT.	BY RAT	E O	F CLIMB	1500	. 81	OAT	90	
	LESS		10	20	30	40	50	60	70	)	80	90	100	110	120	SUM
LESS 180				× 1	0.1	0.5	2.5									
105				3.1	0.1	0.5 2.4	7.7		0.1							5.5 14.0
190					0.1	0.3	1.6		0.5							2.9
195																
200																
SUM				J.3	0.4	3.2	11.8	5.3	1.4	•						22.5
	MI VUTES	FOR	TCRQ	JE1 VS	RPM BY	MISS ION	SEG	ASCENT,	BY RAT	E 01	F CLIMB	1500	, BY	DAT	SUM	
	LESS		10	20	30	40	50	60	70		80	90	100	110	120	SUM
LESS							0.5				200					0.5
180		0	. 1	0.2	3.2	3.1 10.0	9.8		0.5 2.4		0.1					22.3
190		v	• •	0.2	1.3	4.7	4.5		0.5							41.6
195							0.2		•••							0.3
200																
205 SUP	1.1	0	. 1	0.2	5.5	17.3	28.8	20.3	3.4		0.1					76.8
•••	•••	·	••		,,,	,			,,,		•••					10.0
	MI NUTES	FOR	TCRO	JEZ VS	RPM BY	M 155 104	SEG	ASC ENT,	BY RAT	E 01	F CLIMS	1500	, BY	OAT	SUM	
	LESS		10	20	30	40	50	60	70		80	90	100	110	120	SUM
LESS					,,	40	0.1				40		100	110	120	0.5
180				0.1	0.4	6.5	9.3	4.9	0.5							22.3
185				0.5	2.2	12.1 6.2	3.1		1.8							41.6
195				0.7	0.2		0.2		0. 3							0.3
200																
205						24 7		14.0								- 4
SUM	1.0			1.3	2.8	24.7	27.2	16.9	2.0							76.8
1	HINUTES	FOR 1	TERQU	EL VS	RPM BY	MISSION	SEG	ASCENT.	BY RAT	E QF	CLIMB	1800.	BY	OAT	50	
									70		•••	00	1.00		1.10	P1444
LESS	LESS		10	20	30	4 C	50	60	70		80	90	100	110	120	SUM
180																
185				0.1												0.1
190																
200																
205																
SUP				J.1												0.1
	MINÚTES	FOR	TCRQJ	IEZ VS	RPM BY	M155104	SEG	ASCENT.	SY RAT	e of	SLIMB	1800	. 84	DAT	50	
	LÉSS		10	20	30	40	50	40	70		80	90	100	110	120	PUZ
LESS				2.5	,,	7.,	,,				••		4 00	***	120	30.4
TOC																
185				7.1												0.1
190																
200																
205																
Siln				J.;												0.1

	MI NUTES	FOR	TERQUE	vs	RPM BY	M155104	SEG	ASCENT.	87	RATE	DF	CLIMB	1800.	BY	DAT	60	
LESS	LESS		10	20	30	40	50	1,000		70		•0	90	100	110	120	SUM 0-1
180 195 190 195 200					0.1	0.2	0.3				:						1.4
205 SUP					0.2	0.4	1.3	0.6									2.5
	MINUTES	FOR	TCRQUE	5 A2	RPM BY	MISS 104	SEG	ASCENT.	64	RATE	0F	CLIMB	1400	. BY	DAT	60	
LESS	LESS		10	20	30	4C 0.1	50	) 6C		70		80	90	100	110	120	SUM 0.1
180 185 190 195 200 205					0.1	0.9	0.3										1.4
SUM					0.1	1.4	0.6	0.4									2.5
	MINUTES	FOR	TCRQUEL	vs	RPM BY	M155104	SEG	ASCENT,	BY	RATE	OF	CLIMB	1800,	BY	DAT	70	
LESS	LESS		10	20	30	40	50	60		70		80	90	100	110	120	SUM
180 185 190 195 200	0.1				0.1	0.7 1.5 0.?	2.2	1.7		0.1							3.7 5.9 1.5
205 SUP					0.3	2.5	4.1	3.4		0.4							11.1
	MINUTES	FOR	TCRQUEZ	vs.	RPM BY	MISS ION	SEG	ASCENT,	BY	RATE	OF	CLIMB	1800	, BY	DAT	70	
LESS	LESS		10	20	30	40	50	6C		70		00	90	100	110	120	SUM
180 185 190 195 200 205	0.4		o	.9	0.3	1.4	0.7	1.3									3.7 5.9 1.5
SUP			J		0.3	2.4	3.8	2.9									11.1
	MINUTES	FOR	TURQUEL	vs	RPM BY	MISS 10N	SEG	ASCENT.	84	RATE	OF	CLIMB	1800,	84	OAT	80	
LESS 180 185 170			10	20	0.6	0.1 2.0 1.1	0.1 0.6 4.6	0.2		70 0.1 0.0		60	90	100	110	120	SUM 0.1 1.0 11.7 4.3
195 200 205 SUP					1.0	3. `	7.0	5.7		0.1							0.0

	MINUTES	FOR	TCRQJ	2 VS	RPH BY	M155 104	SEG	ASCENT,	BY	RATE	OF CLIMB	1800	, B1	OAT	80	
LESS	LESS		10	20	30	40	5	0 60		70	80	90	100	110	120	SUM 0.1
180	)					0.4	0.	6								1.0
105				0.4	0.5	3.9	4.			0.4						11.7
199	3			0.2	0.6	0.3	0.									0.0
SUF				J.6	1.1	4.6	7.0	6 2.9		0.4						17.1
	MINUTES	FOR	TCRQJE	1 VS	RPM BY	M155104	SEG	ASCENT,	87	RATE	OF CLIMB	1800	, 87	TAC	90	
	LESS		10	20	30	40	50	60		70	80	90	100	110	120	SUM
LESS																
180					0.1	0.8	3.0			0.3	0.4					3.1 9.1
190					0.1	0.1	0.2									0.4
195																
200																
SUF					0.3	1.5	3.6	3.7		2.7	0.4					12.6
	MINUTES	FOR	TCRQUE	2 VS	RPH BY	MISS ION	SEG	ASCENT.	BY	RATE	OF CLIMB	1800	, 87	OAT	90	
LESS	LESS		10	20	30	40	50	60		70	80	90	100	110	120	SUM
180		0	- 1	0.1			1.4									3.1
185	0.1			0.1	0.5	2.0	3.2			1.2						9.1
190						0.1	0.3	)								0.4
200																
205		_														
SUP	0.1	U	.1	J.2	0.5	2.1	4.9	3.4		1.2						12.6
	MINUTES	FOR	TCRQUE	T A2	APM BY	M122104	SEG	ASCENT,	84	RATE	OF CLIMB	1800	. BY	OAT	SUM	
	LESS		10	20	30	40	50			70		90	100	110	120	SUM
LESS						0.1	0.1									0.2
180	0.1			0.1	0.3	1.9	3.4			2.4	0.4					9.3 27.8
190	• • • • • • • • • • • • • • • • • • • •				0.4	1.5	2.2			0.3	•••					6.2
195					0.0											0.0
20C																
SUM	0.4			0.1	1.8	7.8	16.2	13.5		3.2	0.4					43.5
,	MINUTES	FOR	TCRQJE	2 VS	RPM BY	VC1 221M	SEG	ASCENT.	84	RATE	OF CLIMB	1800	, BY	OAT	SUM	
				20	••	4.0				30			100			
LESS	FFZZ		10	20	30	0.1	50	3.1		70	80	90	100	110	120	SUM 0.2
180	0.1	0	. 1	1.0	0.1	2.7	3.0	3.2								9.3
185	0.5			1.4	1.3	7.4	9.3			1.6						27.8
190				3.2	7.6	7.4	4.6									6.2
500							0.0									0.0
205																
SUM	0.5	0	. 1	1.7	2.0	10.9	16.9	9.7		1.6						43.5

	MI VUTES	FOR	TCRQJEL	٧S	RPM BY	M155 104	SEG	ASCENT.	84	RATE	OF	CLIMB	2100	ВУ	OAT	60	
	LESS		10	20	30	40	50	60		70		80	90	100	110	120	SUM
185 180 185 190 195 200					0.1	0.1	0.9	0.1									1.2
205 SUP					0.1	0.1	0.9	C.1									1.2
	MINUTES	FOR	TERQUES	٧S	RPM BY	H155104	SEG	ASCENT,	87	RATE	OF	CLIMB	2100	, 87	DAT	60	
	LESS		10	20	30	40	50	60		70		80	90	100	110	120	SUM
185 185 190 195 200 205						0.8		0.4					٠.				1.2
SUP						0.9		0.4									1.2
	MINUTES	FOR	TCRQJE.	٧S	RPM BY	MISS ION	SEG	ASCENT,	84		OF	CLIMB	2100	BY	DAT	70	
LESS	LESS		10	20	30	40	50	60		70		80	90	100	110	120	NUZ
180 185 190 195 200 205	0.2				0.4	9.2	1.1	1.6									2.5 3.5 0.6
SUM					0.6	0.5	3.1	2.3									6.6
	MINUTES	FOR	TCRQJEZ	٧S	RP4 8Y	MISS 104	SEG	ASCENT.	84	RATE	OF	CLIMB	2130	, BY	CAT	70	
	LESS		10	20	30	40	50	60		70		80	90	100	110	120	SUM
LESS 180 185 190 195 200 205	0.2		ú	.1		1.1 1.4 0.3	1.6	0.3									2.5 3.5 0.6
SUF			J	.1		2.9	3.0	) n.s									6.6
H	41 NUTES	FOR	TCRQJEL	vs	RPM BY	H155 104	SEG	ASCENT.	BY	RATE	OF	CLIMB	2100,	87	OAT	80	
LESS	Less		10	0	30	40	50	60		70		80	90	100	110	120	SUM
180 185 190 195 200					0.1	0.5	0.1 3.7 0.4	4.2		0.1 0.7	0	. 2					0.4 9.2 1.3
205 SUP					0.1	0.7	4.2	5.C		0.8	0	. 2					11.0

	MINUTES	FOR	TCRO	UEZ VS	RPM BY	MISS TON	SEG A	SCENT.	84	RATE	OF CLIMB	2100	, 84	OAT	80	
1500	LeSS		10	20	30	4 C	50	60		70	80	90	100	110	120	SUM
LESS 180 195 190 195 200				J.2	0.2	0.7	1.8	0.2 5.5 0.6		0.8						0.4 9.2 1.3
205 SUM				J.2	0.3	1.1	2.3	6.2		0.8						11.0
	MIMITES	E E D B	Tran	VS		MISSION	SEC	ASCEUT.	av		OF CLIMB	2100	. 84	OAT	90	
	LESS		10	20	30	40	50	60		70	80	90	100	110	120	SUM
LESS					,,	0.:	0.7	0.7		10	);#\Y	70	100	110	120	1.5
185 190 195 200		•			0.6	0.5	1.6	2.7		2.3	0.6					7.8
205 SUP		L			0.6	0.9	2.5	3.7		2.5	0.6					10.9
	MINUTES	FOR	TCRO	JEZ VS	RPM BY	MISSION	SEG 4	SCENT.	87 (	RATE	OF CLIMB	2100	, BY	OAT	90	
	LESS		10	20	30	40	50	60		70	80	99	100	110	120	\$U4
19C 19C 19C 19S 20O						0.1 1.6 3.8	0.4 2.8 0.5	ļ. 3.	l (	0.3						1.5 7.8 1.6
205 SUP						1.4	3.6	÷.C	(	0.3						10.9
•	41 YUTES	FOR	TCRQ.	ier az	APH BY	MISS 10N	SEG A	SCENT.	6Y 4	ATE	OF CLIMB	2100,	84	DAT	NUZ	
LéSS	LESS		10	2)	30	40	50	é C		70	83	90	100	110	120	SUM
190 195 190 195 200	0.3				0.1 0.4 0.9	0.3	3.3 6.4 1.1	8.5	3	).1 ).0 ).2	0.8					5.6 20.5 3.5
205 SUM	J.3				1.4	2.3	10.7	11.0	3	.3	0.6					29.6
	MINUTES	FOH	TCHOJ	Ez VS	RPM BY	415\$10N	SEG A	SCENT.	BY R	ATE	OF CLIMB	2100	, BY	CAT	SUM	
	Less		10	20	30	40	50	60		70	80	90	100	110	120	SUM
LESS 180 185 190	0.2			U.1	0.2	2.2 3.4 1.1	1.4	0.9 1.6	ı	.1						5.6 20.5 3.5
200 205 5UF	J+2			1.3	0.3	5.7	8.9	12.7	1	. 1						29.6

	MINUTES	FOR	TCR QJE.	. vs	RPM BY	M155104	SEG	MANUVR,	BY	RATE	OF	CLIMB	-2100,	BY	DAT	70	
	LESS		10	20	3C	40	50	60		70		80	90	100	110	120	SUM
LESS 180 183 190 195 200						0.1											0.1
205 SUM						0.1											0.1
	MINUTES	FOR	TCRQJE	vs.	RPM BY	HISS ION	SEG	MANUVR.	RA	RATE	OF	CLIMB	-2100	, BY	CAT	70	
LESS	LESS		10	20	30	40	50	60		70		80	90	100	110	120	SUM
180 185 190 195 200 205						0.1											0.1
SUM				-1.2	100 cm	0.1											0.1
		FOR				MISS TON			BY		OF			84	DAT	SUM	
LESS			10	20	30	40	50	60		70		●0	90	100	110	120	SUM
160 165 190 195 206 205 SUM						0.1											0.1
	MI NUTES	FOR	TORQUE	2 <b>VS</b>	RPM BY	MISS 104	SEG	HAYUVR,	BY	RATE	OF	CLIMB	-2100	, BY	OAT	. 204	
LESS	LESS		10	20	30	40	50	60		70		80	90	100	110	120	SUM
180 185 190 195 200 205						0.1											0.1
¥U2						0.1											0.1
	MI NUTES	FOR	TERQUE	vs.	RPM BY	M155 104	SEG	MANUVR,	84	RATE	OF	CL 148	-1500,	64	DAT	80	
LESS	LESS		10	20	30	40	50	60		70		80	90	100	110	120	SUM
18C 185 190		(	0.1														0.1
200 205 Sur			0.1														

	MINUTES	FOR TCR	WJEL VS	RPM BY	M15510N	SEC MAN	UVR, BY	RATE	JF CLIM	-1500	, BY	DAT	90		
	LESS	10	20	30	41	50	é C	70	8.3	90	100	110	120	SUM	
LESS	3		J.1										•	0.1	
185 196 195 206 205 598	) ; ;		J.1											0.1	
	MINUTES	FOR TOR	QJEL VS	RPM BY	MUSSION	SEG MAN	JVR, BY	RATE	OF CL'ME	-1500,	RY	DAT	SUM		
LäSS	Less	10	20	30	43	50	6C	70	90	90	100	110	120	SUM	
180 185 190 195 200 205		0.1												0.1	
SUP		0.1												0.1	
	MINUTES	FOR TGR	QUE2 VS	RPM BY	MISSION	SEG MAN	UVR. BY	RATE	OF CLIME	-1500	. 87	OAT	SUM		
	LESS	10	20	30	40	50	60	70	80	90	100	110	120	SUM	
LESS 180 185 190 195 200 205			J.1											0.1	
SUP			).1											0.1	
	MINUTES	FOR TCR	SA TBF6	RPM BY	MISSION	SEG MAN	UVR, BY	RATE	OF CLIM	-1200,	ВУ	DAT	60		
	LéSS	10	20	30	40	50	é C	70	80	90	100	• • •	120	SUM	
LESS 180					0.:									0.1	
185 196 195 206			J.2											0.2	
AUZ			J.2		2.:									0.3	
	MINUTES	FOR TCR	QUEZ VS	RPM BY	M 155 1JW	SEG MAN	UVR. 3Y	<b>347</b> E	/F CL141	1 -1200	. BY	PAT	63		
								70		9)	100	110	120	SUM	
	1 + 5 5	1.0	23	10	4 7	50	6 (	111	7.7						
LESS		10	23	0 د	4.7	50	60	71)	9.)	,,	.00		123		
LESS 150 155 170 175 200 205		6.1	20 J.1	0 و	9.1	50	60	70	3.7	,,		110		0.1	

	4I VUTES	FOR	TCRGJE	T A2	RPM BY	MISSION	SEG	MANUVR,	ВУ	RATE	OF	CLIMB	-1230,	BY	TAC	70	
	LESS		10	23	30	40	50	60		70		80	90	100	110	120	SUM
185 180 185 140 195 230					0.1			0.1									0.2
205 SUP					0.1			0.1									0.2
	MINUTES	FOR	TCRQJE	2 VS	RPM BY	MISSION	SEG	MANUVR.	8 4	RATE	OF	CLIMB	-1200	. BY	OAT	70	
LESS	LESS		10	20	30	40	50	60		70		80	90	100	110	120	SUM
180 185 190 195 200 205					0.1		0.1										0.2
SUP				100	0.1		0.1										0.2
l						MISSION			BY		OF			BY	JAT	60	
LESS	LESS		10	20	30	40	50	60		70		80	90	100	110	120	SUM
180 185 190 195 200 205			.1	1	0.1												0.2
MU2	4I NUTES			)•1 2 vs	0.2 RPM BY	MISS ION	SEG	MANUVR.	46	RATE	0 <b>F</b>	CLIMB	-1200	, BY	OAT	:80	0.4
	LESS		10	20	30	40	50			70		80	90	100	110	120	SUM
LESS 180 185 190 195 200 205				0.1		J.:											0.2
SUM				. 3		0.:											0.4
•	41 AUTES	FOR	TCRQJE1	. vs	RPM BY	MISSION	SEG	MANUVR,	BY	RATE	OF	CLIMB	-1200,	87	DAT	SUM	
LESS	LESS		10	20	30	<b>4</b> )	50	60		70		90	90	100	110	120	SUM
180 185 190 175 200		0		1.1	0.2	0.1		0.1									0.5
205 \$U#		o	•1 4	. 3	0.3	0.1		0.1									0.9

М	ILANTES	FOR	TCRQJ	E2 VS	RPM BY	MISS 104	SEG M	ANUVR,	BY RA	TE O	F CLIMB	-1200	, BY	CAT	SUM	
	LESS		10	23	30	47	50	60	7	0	80	90	100	110	120	SIJM
LESS 180 185 190 195 200			0.1	J.1	0.1	0.7	0.1									0.5
205 SUM			0.1	0.4	0.1	0.2	0.1									0.9
	41 NUTES	FOR	TCROJ	E1 VS	RPM BY	MISS ION	SEG M	ANUVR.	BY RA	te ei	F CLIMB	-900	. BY	DAT	60	
	Less		10	23	30	40	50	60	7		80	90	100	110	120	SUM
LESS 180											152			•••		
185 190 195 200					0.2											0.2
205 5U#					0.2											0.2
м	IINUTES	FOR	TCRQJ	E2 VS	RPM BY	H155104	SEG MA	NUVR.	BY RA	re of	CLIMB	-900	, BY	DAT	60	
	LESS		10	20	30	40	50	60	71	)	80	90	100	110	120	SUM
LESS						•										
185 190 195 200						0.:										0.2
205 SUP						0.2										0.2
			******		90H 6V	MISS ION		WIIVE	OV 041		. C. IMB	-900	. 84	DAT	70	
-	LESS	FUK	10	23	30	47	50	6C	70		80	37	100	110	120	SUM
LESS	6633		10	23	0.2	• •	30	00	,,	,	90	*,	100	110	120	0.2
185 190 175 200					0.2											<b>V</b>
205 SUP					0.2											0.2
M.	INUTES	FOR	TCRQJE	2 VS	RPM BY	VC1 221 M	SEG MA	NUVR,	BY RAT	E OF	CLIMB	-300	, 8Y	DAT	70	
	LESS		10	20	30	40	50	60	70		80	90	100	110	120	SUM
LESS 180					0.2											0.2
185 190 195 200 205																

	MINUTES	FOR TCE	SA Tares	RPM BY	M 155 104	SEG	MANUVR.	44	RATE	OF	CLIMB	-900	6 Y	DAT	60	
	LESS	10	20	30	42	50	60		70		80	90	100	110	120	SIJM
180 185 190 195	6.1	0.2														0.2
200 205 SUP		0.2														0.3
	MINUTES	FOR TCR	SA 2310	RPM BY	M15510N	SEG	MANUVR,	8 Y	RATE	OF	CLIMB	-900	, BY	CAT	80	
LESS	LĒSS	10	20	30	40	50	6 C		70		80	90	100	110	120	SUM
180 185 190 195 200			J.1	0.2												0.2
205 SUP			0.1	0.2												0.3
	MINUTES	FOR TCR	ONET AZ	RPM BY	M I S S I D N	SEG	MANUVR,	вч	KATE	CF	CL IMB	-900.	84	GAT	SUM	
LESS	Less	10	20	30	43	50	60		70		60	90	100	110	120	SUM
180 185 193 195 200	<b>0.1</b>	0.2		0.2												0.4
205 SUM	0.1	0.2		0.4												0.7
ı	MINUTES	FOR TCR	QUES A2	RPM BY	M155104	SEG	HANUVR,	BY	RATE	OF	CLIMB	-900	. 67	OAT	` SUM	
LESS	LESS	10	20	30	4.0	50	60		70		80	90	100	110	120	SUM
180 185 190 195 200			ə <b>.1</b>	0.4	0.2											0.4
205 Sum			J.1	0.4	0.2											0.7
ı	MINUTES	FOR TCR	anet A2	RPM BY	MISS ION	SEG	MANUVR,	вY	RATE	ύF	CLIMB	-600,	ВУ	OAT	60	
,	LESS	10	20	30	40	50	60		70		80	90	100	110	120	SUM
LESS 180 185 190 195 200		0.2		0.5	7.3											0.8
205 SU#		0.2		1.3	0.3											1.8

	MINUTES	FOR TCR	DIES A2	RPM BY	4155104	SEG M	ANUVR,	BY RATE	OF (	CLIMB	-600	, 84	CAT	60	
	LESS	10	20	30	40	50	60	70		80	90	100	110	120	SUM
LESS 180 185 190 195 200		0.2		0.4	0.4										0.8 1.0
205 SUM		0.2		0.8	0.7										1.8
	MINUTES	FOR TCR	JEL VS	RPM BY	MISSION	SEG M	ANUVR,	BY RATE	OF C	CLIMB	-600,	ay	DAT	70	
	LèSS	10	20	30	40	50	60	70	(	80	90	100	110	120	SUM
LESS 180 193 190 195 200 205				0.8		0.3									0.8
SUM				1.6		0.3									1.9
	MINUTES	FOR TCR	DUEZ VS	RPH BY	MISSION	SEG M	ANUVR.	BY RATE	OF C	LIMB	-600	. 84	DAT	70	
LESS	LESS	10	20	30	40	50	60	70	•	90	90	100	110	120	SUM
180 185 190 195 200 205		0.4	0.5	0.1	0.2	0.1									0.8
\$UP		0.4	0.5	0.4	0.5	0.1									1.9
	MINUTES	FOR TCR	ONET A2	RPM BY	MISSIDM	SEG M	ANUVR,	BY RATE	DF (	CLIMB	-600,	8 4	DAT	80	
LESS	LESS	10	20	30	40	50	60	70		80	90	100	110	120	SUM
180 185 190 195 200 205	0.1	0.4	3.1 3.1	0.9	9.1										1.6
SUP		0.4	J•2	1.6	0.1										2.4
•	ITARLES	FOR TORQ	JE2 VS	RPM BY	MISSIDN	SEG MA	NUVR, E	SY RATE	OF C	LIMB	-600 ,	84	CAT	80	
LESS	LESS	10	50	30	<b>4</b> C	50	60	70	91	0	90	100	110	120	SUM
180 185 190 195 200			0.6 J.8	0.8	0.7										1.6
205 SUM			1.4	0.8	7.7										2.4

	MINUTES	FOR TOR	QJE1 VS	RPM BY	MISS 104	SEG	MANUVR,	84	RATE	0F	CLIMB	-600,	BY	OAT	SUM	
	LÉSS	10	20	30	4 C	50	6C		70		80	90	100	110	120	SUM
LESS 180 185 190 195 200	0.1	0.4	0.1	2.2	0.4	0.3	i									3.2
205 SUM	0.1	0.6	0.2	4.5	0.4	0.3										6.1
	MINUTES	FOR TCR	QUEZ VS	RPM BY	MISSION	SEG	MANUVR,	BY	RATE	OF	CLIMB	-600	, BY	DAT	SUM	
	LESS	10	20	30	40	50	60		70		80	90	100	110	120	SUM
185 185 190 195 200		0.6	1.1	1.3	0.6	0.1										3.2
205 SUP		0.6	1.9	2.0	1.4	0.1										6.1
	MINUTES	FOR TOR	QUEL VS	RPM BY	MISSION	SEG	MANUVR,	вч	RATE	OF	CLIMB	-300,	BY	OAT	60	
	LESS	10	20	30	40	50	60		70		80	90	100	110	120	SUM
LESS 180 185 190 195 200			<b>2.8</b>	0.2 5.0 0.3	0.2											0.4 9.6 0.3
205 SUP			2.5	5.6	2.7											10.4
	MINUTES	FOR TCR	SA TBEN	RPM BY	MISSION	SEG	MANUVR,	BY	RATE	0F	CLIMB	-300	. BY	CAT	60	
LESS	LESS	13	20	30	40	50	60		70		80	90	100	110	120	SUM
160 185 190 195 200		0.6	2.2	2.6	4.7 0.2											9.6 0.3
205 MU2		0.6	2.2	3.1	4.5											10.4
	41 YUTES	FOR TOR	OJET AP	RPM BY	MISSION	SEG	MANUVR,	вч	RATE	OF	CL 148	-300,	BY	OAT	70	
	LESS	10	2 )	30	40	50	60		70		80	90	100	110	120	SUM
LESS 180 185 190 195 200			U.3 U.6	3.5 14.2	0.6 4.1											18.9
205 SUP			J.9	17.7	4.7											23.3

	MINUTES	FOF	TOR	DIES AZ	RPM BY	MISSIDA	SEG	MANUVR.	BY	RATE OF	F CLIMB	-300	, 1	BY OAT	70	
LESS	LESS		10	20	30	40	5	0 60		70	80	90	100	110	120	SUM
180			1.7	3	0.1	0.8	0.									4.4
185 170 195 200 205				3.0	0.1	7.5	7.	l								18.9
SUP			2.6	4.4	0.2	8.5	7.	6								23.3
	MINUTES	FOR	TCRO	DET A2	RPM BY	MISSION	SEG	MANUVR,	вч	RATE OF	CLIMB	-300	, B1	DAT	ce.	
	LESS		10	29	30	40	5	D 6C		70	80	90	100	110	120	SUM
LESS 180	0.1			0.6	2.9	0.3										3.8
185 190 195 200 205				J.6	3.1	1.1										4.8
SUP				2	5.9	1.3										8.6
L	MINUTES	FOR	TORQ	JEZ VS	RPM BY	MISSION	SEG	MANUVR,	BY	RATE OF	CLIMB	-300	, 6	Y OAT	60	
	LESS		10	20	30	4 C	50	60		70	80	90	100	110	120	SUM
LESS 180 185 190 195 200 205				2.5	0.9	0.5										3.8
SUP				5.5	2.3	0.8										8.6
,	MINUTES	FOR	TORQ	JE" AZ	RPM BY	M15510N	SEG	AVUVR,	BY	RATE OF	CLIMB	-300	. BY	OAT	SUM	
LESS	LESS		10	20	30	4 C	50	60		70	80	90	100	110	120	SUM
180	0.1 J.1			0.9	6.6	1.1										8.7
190 195 200 205	3.1			7.,	0.3	<b>5.</b> 7										0.3
SUM	0.2			4.9	29.2	8.7										42.3
I,	MINUTES	FOR	TORQ	JEZ VS	RPM BY	MISSION	SEG	MANUVR.	ВЧ	RATE OF	CLIMB	-300	, 8	Y OAT	SUM	
	LESS		10	20	30	40	50	60		70	80	90	100	110	120	SUM
LESS			1.7	3.8	1.4	1.3	0.5									8.7
185 190 195 200			1.6	5.3	4.1	0.3	7.1									33.3
205 \$UM			3.2	12.1	5.6	13.9	7.6									42.3

	MI YUTES	FOR	TORQUE1	VS RPM BY	MISSION	SEG	MANUVR,	8 Y	RATE	OF	CLIMB	300	, BY	DAT	60	
	LESS		10 20	30	40	5	60		70		80	90	100	110	120	SUM
LESS 180 185 190 195			).: ).:		0.7											0.2 1.0 0.1
200 205 SUM			<b>).</b> (	0.7	0.2											1.3
	MINUTES	FOR	TORQUE2 V	S RPM BY	MISS ION	SEG	MANUVR,	8 4	RATE	OF	CLIMB	300	. 84	DAT	60	
LESS	LESS		10 20	30	40	50	60		70		80	90	100	110	120	SUM
180 185 190 195			0.1 0.1		0.1											0.2 1.0 0.1
200 205 SUP			J.4	0.7	0.2											1.3
	MINUTES	FOR	TORQUEL V	S RPM BY	MISSIDA	SEG	MANUVR,	84	RATE	QF	CLIMB	300,	8Y	DAT	70	
LESS	LESS		10 20	30	40	50	60		70		80	90	100	110	120	SUM
180 185 190 195 200				0.1 0.8 0.1	0.1	0.3	0.1									0.2 1.2 0.1
205 SUP				1.0	0.1	0.3	0.1									1.5
	M1 W.17EE	500	TORQUEZ V	45 AAN AU	<b>MICCIO</b> M		*****									
	LESS	FUK						ĐΫ		UF		300		DAT	70	
LESS			10 20		40	50			70		80	90	100	110	120	SUM
180 185 190 195 200			0.1		0.9	0.1										0.2 1.2 0.1
205 SUP			0.4	0.1	0.9	0.1	1									1.5
			TORQUEL V			SEG	MANUVR,	BY	RATE	OF	CLIMB	300	BY	DAT	60	
LESS	LESS		10 20	30	40	50	60		70		80	90	100	110	120	SUM
180 185 190 195	0.1	(	0.1	0.6	0.1											0.6
200 205 SUP		(	0.1	1.9	0.1											2.2

	MINUTES	FOR TO	RQJE2 VS	RP4 8Y	MISSION	SEG	MANUVR,	84	RATE	OF	CLIMB	300	, 81	CAT	80	
	LESS	10	20	30	40	50	60		70		80	90	100	110	120	SUM
185 185 195 195		0.1	J.1 3.9	0.3	0.5 0.3											0.6
200 205 SUP	i	0.1	1.0	0.3	0.8											2.2
	MI NUTES	FOR TO	RQUEL VS	RPM BY	MISSION	SEG	MANUVR,	ВУ	RATE	OF	CLTMB	300,	, ВУ	DAT	SUM	
	LESS	10	20	30	40	50	60		70		80	90	100	110	120	\$UM
185 186 185 190 195 200 205	0.1	0.1	0.3 0.1	0.7 2.8 0.1	0.2	0.3	0.1									1.0 3.8 0.2
SUP		0.1	0.4	3.6	0.4	0.3	0.1									5.0
					MISSION			84		0F		300			SUM	
LESS		10	20	30	40	50	60		70		■0	90	100	110	120	SUM
180 185 190 195 200 205		0.1	0.2 1.5 0.1	0.1 0.9 0.1	0.6	0.1										1.0 3.8 0.2
SUP		0.1	1.8	1.0	1.9	0.1										5.0
	MI NUTES	FOR TO	RQUEL VS	RPM BY	MISSION	SEG !	ANUVR,	BY	RATE	OF	CLIMB	900,	84	DAT	60	
LESS	LESS	10	20	30	40	50	60		70		80	90	100	110	120	SUM
180 185 190 195 200			3.1													0.1
205 SUP			J.1													0.1
,	MINUTES	FOR TOR	IQUE2 VS	RPM BY	MISSION	SEG M	IANUVR,	BY	RATE	OF	CLIMB	900	, BY	OAT	60	
LESS	LESS	10	20	30	40	50	60		70		80	90	100	110	120	SUM
180 185 190 195 200		0.1														0.1
ZOS SUP		0.1														0.1

	MINUTES	FOR	TORG	DUET AZ	RPH BY	MISSION	SEG	HANUVA.	87	RATE	OF	CLIMB	900	. BY	OAT	70	
LESS	LESS		10	20	30	40	50	60		70		80	90	100	110	120	SUM
180 185 190 195 200				0.1 0.1	0.1												0.2
205 SUP				0.1	0.1												0.2
	MINUTES	FOR	TOR	DJEZ VS	RPM BY	MISSION	SEG	MANUVR.	84	RATE	OF	CLIMB	900	, BY	OAT	70	
LESS	LESS		10	20	30	40	50	60		70		●0	90	100	110	120	SUM
180 185 190 195 200			0.1 0.1				0.1	L.									0.2
205 SUP			0.1				0.1	ı									0.2
	MINUTES	FOR	TOR	DUET A2	RPM BY	MISSION	SEG	HANUVR.	ВУ	RATE	OF	CLIMB	900	, BY	OAT	80	
	LESS		10	20	30	40	5	60		70		80	90	160	110	120	SUM
LESS 180 185 190 195 200				3.1	0.1												0.1
205 SUP				3.1	0.1												0.2
	MINUTES	FOR	TCR	QUE2 VS	RPM BY	MISSION	SEG	MANUVR.	84	RATE	OF	CLIMB	900	, BY	OAT	80	
LESS	LESS		10	20	30	40	50	60		70		<b>●</b> 0	90	100	110	120	SUM
180 185 190 195 200				J.1 J.1													0.1 0.1
205 SUP				0.2													0.2
	MINUTES	FOR	TORG	JEI VS	RPM BY	MISSION	SEG	MANUVR.	ВУ	RATE	0F	CLIMB	900	ВУ	DAT	SUM	
	LESS		10	20	30	40	50			70		80	90	100	110	120	SUM
180 185 190 195				0.3 0.1	0.1												0.1 0.4 0.1
200 205 SUP				0.3	0.2												0.5

	MINUTES	FOR	TORQUE	2 VS	RPH BY	MISSION	SEG	MANUVR,	84	RATE	0#	CLIMB	900	. 84	DAT	SUM	
LESS	LESS		10	20	30	40	50	60		70		80	90	100	110	120	SUM
180 189 190 195			0.2	0.1			0.1										0.1 0.4 0.1
205 SUF		3	0.2	0.2			0.1										0.5
	MINUTES	FDR	TORQUE	1 VS	RPH BY	MISSION	SEG	MANUVR,	84	RATE	0F	CLIMB	1 200	. BY	DAT	60	
LESS	LESS		10	20	30	40	50	60		70		80	90	100	110	120	SUM
185 195 195 200				J.1													0.1
205 SUP				0.1													0.1
	MINUTES	FOR	TORQJE	∠ VS	RPM BY	MISSIUN	SEG	MANUVR,	ВЧ	RATE	OF	CLIMB	1200	, BY	DAT	60	
LESS	LESS		10	20	30	40	50	60		70		80	90	100	110	120	SUM
185 195 195 200					0.1												0.1
205 SUP					0.1												0.1
	MINUTES	FOR	TCRQJE	i vs	RPM BY	MISSION	SEG	MANUVR,	BY	RATE	OF	CLIMB	1200	ВУ	OAT	70	
LESS	LESS		10	20	30	40	50	60		70		80	90	100	110	120	SUM
180 185 190 195 200					0.2		0.1										0.3
205 SUM					0.2		0.1										0.3
	MINUTES	FOR	TORQUE	2 VS	RPH BY	MISSION	SEG !	HANUVR,	87	RATE	OF	CLIMB	1200	, BY	OAT	70	
LĒSS	LESS		10	20	30	49	50	60		70		<b>a</b> 0	90	100	110	120	SUM
180 185 190 195 200					0.1	0.2											0.3
205 SUP					0.1	0.2											0.3

	MINUTES	FOR	TCRQUE: VS	RPM BY	MISSION	SEG MA	NUVR,	8 Y R	ATE C	F CLIMB	1200,	BY	DAT	SUM	
1500	LESS		10 20	30	40	50	έO		70	80	90	100	110	120	SUM
LESS 180 185 190 195 200	) ; ;		0.1	0.2		0.1						÷			0.4
205 SUP	ì		0.1	0.2		0.1									0.4
	MINUTES	FOR	TORQUE2 VS	RPM BY	MISSION	SEG MA	NUVR.	BY R	ATE O	F CLIMB	1200	, ву	DAT	SUM	
	LESS		10 20	30	40	50	60		70	80	90	100	110	120	SUM
185 185 190 195 200				0.2	0.:										0.4
205 SUP				0.2	0.7										0.4
				SS 60.				201 20							
			TORQJEL VS								LESS,	84	OAT	60	
LESS 180		1	10 20	30	40	50	60		70	80	90	100	110	120	SUM 0.1
185 190 195 200	0.2	0.	3 0.2												0.7
205 SUP		0.	.3 0.3												1.1
	MINUTES	FOR 1	TCRQUE2 VS	RPM BY	MISSION	SEG DE	SCNT.	BY R	ATE D	F CLIMB	LESS	, BY	OAT	. 60	
	LESS	:	10 20	30	40	50	60		70	■0	90	100	110	120	SUM
LESS 180 185 190 195 200	0.2	0.	3.1 0.2 0.1												0.1 0.7 0.3
205 SUP		0.	.3 0.4												1.1
				200 20											
			TCRQJE: VS											70	
LESS 180			10 20 .4 J.1	30	40	50	60		70	80	90	100	110	120	SUM
185 190 195 200	0.9 0.9 0.2	1.	4 0.7 .2 0.1	0.3											1.5 3.3 1.2 0.2
205 SUP		2	.0 0.9	0.3											6.1

	MINUTES	FOR TO	RQUE2 VS	RPM BY	MISSION	SEG DE	SCNT, BY	RATE D	F CLIMB	LESS	. 81	DAT	70	
	LESS	10	20	30	40	50	60	70	80	90	100	110	120	SUM
LESS														
180		0.4	0.0											1.5
190	1.4	0.2	0.2	0.1										3.3
195	0.1	0.1												0.2
200		•••												***
205														
SUP	3.5	2.3	J.3	0.1										6.1
	MINUTES	FOR TO	RQUEL VS	RPM BY	MISSION	SEG DE	SCNT, BY	RATE O	F CLIMB	LESS,	84	OAT	80	
	LESS	10	20	30	40	50	60	70	80	90	100	110	120	SUM
LESS														
180			3.5	0.1										2.0
185			0.2	0.2										0.6
195 200		0.2												0.0
205 SUP		2.1	0.7	0.3										5.0
	MINUTES	FOR TOR	QUE2 VS	RPM BY	M15510N	SEG DE	SCNT, BY	RATE O	F CLIMB	LESS	. 87	OAT	80	
	LESS	10	20	30	40	50	60	70	80	90	100	110	120	SUM
LESS														
100	0.4	0.7	3.5	0.4										2.0
185	1.2	1.2												2.4
190 195 200	0.4	0.2												0.6
205 SUP	2.0	2.2	0.5	0.4										5.0
	41 NUTES	FOR TOR	QJEL VS	RPM BY	MISS TON	SEG DES	SCNT, BY	RATE OF	F CLIMB	LESS.	87	DAT	90	
		_					-							
	LESS	10	20	30	40	50	60	70	80	90	100	110	120	SUM
LESS	0.3	0.3												0.5
185	0.4	0.2		0.1										0.7
190	• • •	• • •												•••
195														
200														
205 SUP	0.5	0.5		0.1										1.2
30-	0.5	0.5		0.1										***
	MINUTES	FOR TCR	SV 73CDI	RP4 8Y	M15510A	SEG DE	SCNT, BY	RATE O	F CLIMB	LESS	. BY	DAT	90	
	LESS	10	20	30	40	50	60	70	90	90	100	110	120	SUM
LESS														
180	0.4	0.5		0.1										0.5
185	0.6			0.1										0.1
195														
230														
205														
SUP	0.5	0.5		0.1										1.2

٠	INUTES	FOR TOR	OJE1 VS	RPM BY	MISSION	SEG	DESCHT,	BY R	ATE O	CLIMB	LESS.	BY	DAT	SUM	
	LESS	10	20	30	4 C	50	60	1 .	70	80	90	100	110	120	SUM
LESS															4.1
180	1.4	2.0	1.1	0.1											7.0
190	1.5	0.4	5.2	0.0											2.1
195	0.2	•••	•••												0.2
200															
205															
SUP	5.9	4.9	1.9	0.7											13.4
	41 VUTES	FOR TOR	QUE2 VS	RPM BY	MISSION	SEG	DESCNT.	BY R	ATE OF	: CLIMB	LESS	<b>,</b> 8Y	DAT	SUM	
										80	90		110		SUM
LESS	LESS	10	20	30	40	50	60		70	•0	40	100	110	120	30H
180	1.4	1.7	0.6	0.4											4.1
185	3.3	3.1	0.4	0.2											7.0
190	1.6	0.4	0.1												2.1
195	0.1	0.1													0.2
20C															
205	_	1 _1 _													
SUP	6.4	5.3	1.1	0.6											13.4
•	HUTES	FOR TOR	ONET A2	RPM BY	M155104	SEG	DESCNT,	8Y RA	ITE OF	CLIMB	-2100,	84	OAT	60	
	LESS	10	20	30	40	50	60	,	70	80	90	100	110	1.20	
LESS	0.8		20	30		30	EU		•		70	100	110	120	SUM 0.8
180	0.4	0.2	3.5	0.5	0.1										1.6
105	0.2	0.9	0.9	0.4		0.1									2.5
190 195 200			3.4												0.4
205															
SUP	1.4	1.1	1.6	0.9	0.1	0.1									5.4
,	IINUTES	FOR TCR	QJE2 VS	RPM BY	M15510N	SEG	DESC 17.	8Y R4	ITE OF	CI IMB	-2100	. 87	DAT	60	
	LESS	10								0010			-		
LESS	U. 8		20	30	40	50	60	7	0	80	90	100	110	120	5114
180						50	60	1	0					120	0.6
	0.1	0.4	)	0.1	40 0.1		60	1	0					120	0.6
185	U.1	0.4				50 0.1	€0	7	0					120	0.8 1.6 2.5
185	0.1	0.4	)	0.1			60	1	0					120	0.6
185	U.1	0.4	)	0.1			€0	7	0					120	0.8 1.6 2.5
185 190 195 200 205	0.1 3.8 0.4	0.4 1.1 0.1	J 0.5	0.1	0.1	0.1	€0	7	0					120	0.8 1.6 2.5 0.4
185 190 195 200	U.1	0.4	)	0.1			60	7	0					120	0.8 1.6 2.5
185 190 195 200 205 SUM	2.1	0.4	1.5	0.1	0.1	0.1				80	90	100	110		0.6
185 190 195 200 205 SUM	2.1	0.4	J 0.5	0.1	0.1	0.1				80	90	100		120	0.6
185 190 195 200 205 SUM	2.1	0.4 1.1 0.1 1.5	1.5	0.1	0.1	0.1	DESCNT.	<b>취</b> ∀ 국 <i>1</i>		80	90	100	110	73	0.8 1.6 2.5 0.4
185 190 195 20C 205 SUM	0.1 0.4 2.1	0.4 1.1 0.1 1.5	1.5 1.5 19JE. VS	0.1 0.1 0.2	0.1 MISSION	0.1 0.1 Seg	DESCNT.	<b>취</b> ∀ 국 <i>1</i>	ATE OF	eo CLIMB	-2100.	100 84	110		0.6
185 190 195 20C 205 SUM	0.1 3.8 0.4 2.1 *I *IJTES LESS	0.4 1.1 0.1 1.5 FOR TCR	1.5 1.5 20 J.1	0.1 0.1 0.2	0.1 MISSION 47 0.1	0.1 0.1 Seg	DESCNT.	<b>취</b> ∀ 국 <i>1</i>	ATE OF	eo CLIMB	-2100.	100 84	110	73	0.8 1.6 2.5 0.4 5.4
185 190 195 20C 205 SUM	0-1 0-8 0-4 2-1 *! *!!*!ESS LESS	0.4 1.1 0.1 1.5 FOR TCF	1.5 10.5 10.5 10.5	0.1 0.1 0.2	0.1 MISSION	0.1 0.1 Seg	DESCNT.	<b>취</b> ∀ 국 <i>1</i>	ATE OF	eo CLIMB	-2100.	100 84	110	73	0.8 1.6 2.5 0.4 5.4 SIJM 0.5 4.3
185 190 195 205 SUM LESS 180 185	0.1 3.8 0.4 2.1 *I *IJTES LESS	0.4 1.1 0.1 1.5 FOR TCR	1.5 1.5 20 J.1	0.1 0.1 0.2	0.1 MISSION 47 0.1	0.1 0.1 Seg	DESCNT.	<b>취</b> ∀ 국 <i>1</i>	ATE OF	eo CLIMB	-2100.	100 84	110	73	0.8 1.6 2.5 0.4 5.4
185 190 195 205 SUM LESS 185 185 195	0-1 0-8 0-4 2-1 *! *!!*!ESS LESS	0.4 1.1 0.1 1.5 FOR TCF	1.5 10.5 10.5 10.5	0.1 0.1 0.2	0.1 MISSION 47 0.1	0.1 0.1 Seg	DESCNT.	<b>취</b> ∀ 국 <i>1</i>	ATE OF	eo CLIMB	-2100.	100 84	110	73	0.8 1.6 2.5 0.4 5.4 SIJM 0.5 4.3
LESS 190 205 SUM LESS 180 185 195 200	0-1 0-8 0-4 2-1 *I *JTES LESS 0-9 5-6	0.4 1.1 0.1 1.5 FOR TCF	1.5 10.5 10.5 10.5	0.1 0.1 0.2	0.1 MISSION 47 0.1	0.1 0.1 Seg	DESCNT.	<b>취</b> ∀ 국 <i>1</i>	ATE OF	eo CLIMB	-2100.	100 84	110	73	0.8 1.6 2.5 0.4 5.4 SIJM 0.5 4.3
185 190 195 205 SUM LESS 185 185 195	0-1 0-8 0-4 2-1 *I *JTES LESS 0-9 5-6	0.4 1.1 0.1 1.5 FOR TCF 10 0.3 1.9	1.5 10.5 10.5 10.5	0.1 0.1 0.2	0.1 MISSION 47 0.1	0.1 0.1 Seg	DESCNT.	<b>취</b> ∀ 국 <i>1</i>	ATE OF	eo CLIMB	-2100.	100 84	110	73	0.8 1.6 2.5 0.4 5.4 SIJM 0.5 4.3

	MINUTES	FOR TO	RQUE2 VS	RPM BY	MISSION	SEG D	ESCNT,	84	RATE	OF	CLIMB	-2100	. 84	DAT	70	
	LESS	10	20	30	40	50	60		70		80	90	100	110	120	SUM
LESS		0.3	0.1	0.1												0.5
190			3.8	0.1												4.3
185			1.0	0.5	0.2											12.9
190		0.7	0.1	0.1												2.8
195																
20C																
SUM		4.3	2.0	^ •												
30-	11.2	6.3	2.0	0.8	0.2											20.5
	4I NUTES	FOR TC	RQJE. VS	RPM BY	MISS ION	SEG 0	ESCNT.	BY	RATE	OF	CLIMB	-2100	BY	DAT	80	
	LESS	10	20	30	40	50	60		70		90	90	100	110	120	SUM
LESS																
180			1.5	0.4	0.7											5.0
185			2.1	0.4	0.2											6.2
190		0.1	0.0													0.1
195																
200																
205			1 4		•											
SUP	3.3	3.2	3.6	0.8	0.4											11.3
	MINUTES	FOR TO	RQJE2 VS	RPM BY	MISSION	SEG D	ESCNT,	BY	RATE	OF	CLIMB	-2100	, BY	DAT	80	
	LESS	10	20	30	40	50	€0		70		80	90	100	110	120	SUM
LESS																
180			1.2	1.0												5.0
185			1.1	0.1	0.1											6.2
130		0.0														0.1
195																
200																
205					0.1											11.3
SUP	4.3	3.5	2.3	1.1	<b>0.</b> .											11.3
	MINUTES	FOR TO	ROJE. VS	RPM BY	MISSIDY	SEG D	ESC'IT.	AY	RATE	OF	CLIMB	-2100	BY	TAC	90	
										-						
	LESS	10	20	30	40	50	60		70		90	90	100	110	120	SUM
LESS																
150				0.1												0.7
185	U.5		J.2													1.0
130	3.2	0.1														0.3
195																
200																
205	, ,		2.3	0.1												2.0
SUM	1.3	0.7	3.2	0.1												2.0
	INUTES	FOR TOR	QUEZ VS	RPH BY	MISSION	SEG DE	SCYT.	BY	RATE	0F	CLIMB	-2100	, BY	DAT	90	
	LESS	10	20	30	40	50	60		70		80	90	100	110	120	SUM
LESS																
18C	U.1	0.4	3.2	0.1												0.7
185	0.5	0.5														1.0
190	0.3															0.1
195																
50C																
205		<b>.</b>	, .													2 ^
SU₽	0.9	0.4	7.2	0.1												2.0

	MINUTES	FOR TO	RQJE: VS	RPM BY	MISSION	SEG	DESCRT.	BY	RATE	OF	CLIMB	-2100	84	DAT	SUM	
	LESS	10	20	30	40	50	60		70		60	90	100	110	120	SUM
LESS		0.3	5.1		0.1											1.3
180		6.9	3.1 5.4	1.4	0.3		1									11.7
190		1.5	0.9	1.3	0.4	0 - 1										22.5
195		•••	•••													341
200																
205																
SUM	13.3	12.8	9.5	2.7	0.8	0.1										39.2
	M1 M1 TEE	EO0 TC0	10.152 UC		H155 104		DECCAT		0 4 7 5	05	C1 1 MB	- 31.00		047	C11M	
	ATADLE2	FUR TUR	IQUE2 VS	RPH DT	4122 Ind	250	DE2CV11	D Y	KAIE	UF	CFIMB	-2100	, BY	DAT	SUM	
	LESS	10	20	30	40	50	60		70		80	90	100	110	120	SUM
LESS	U.8	0.3	0.1	0.1											• • •	1.3
180	3.6	3.6	3.1	1.3	0.1											11.7
185	2.5	7.4	2.6 0.1	0.7	0.2	0.1										22.5
195	2.5	0.6	0.1	0.1												3.7
200																
205																
SUM	18.4	12.1	0.0	2.2	0.4	0.1										39.2
	M				****			• • •								
	WIAD152	FUR ILI	RQUEL VS	HPM BT	W122 ID4	250	DE2CHI!	87	RATE	OF.	CLIMB	-1800,	BY	DAT	50	
	LESS	10	20	30	40	50	60		70		80	90	100	110	120	SUM
LESS																••••
180		0.1	J.2													0.8
185				0.1												0.1
195																
230																
205																
SUP	0.5	0.1	0.2	0.1												0.9
	M1 WITE C	FOR TO	RQUEZ VS		MISSION	256	DESCRIT.		BATE	ΩE		-1 800	. 87	OAT	50	
		1 UK 1 U	MOLE 13	NEG PI	1133104	360	DESCRIP		~= 1.	0,	06170	-1000	,	041	30	
	LESS	10	20	30	40	50	60		70			90	100	110	120	SUM
LESS																
180			0.4	0.4												0.8
190																0.1
195																
200																
205			۸ ۸													
SUP	0.1		0.4	0.4												0.9
	MINUTES	FOR TO	RQUEL VS	RPM BY	MISS 10N	SEG	DESCRIT.	BY	RATE	OF	CLIMB	-1 800 -	BY	DAT	60	
															30	
	LESS	10	50	30	40	50	60		70		80	90	100	110	120	SUM
LESS			7.1.2													0.3
180 185		1.4	1.6 U.3	0.2					3.1							6.9
170		1.0	0.5	0.1												2.5
195																U.D
																***
200																
200 205 Sup		2.4	2.3	0.4					0.1							10.2

	HINUTES	FOR TO	RQJEZ VS	RPM BY	MISSION	SEG	DESCHT.	вч	RATE	OF	CLIMB	-1800	. 87	DAT	60	
	LeSS	10	20	30	40	50	60		70		90	90	100	110	120	SUM
LESS	0.3	-	-	-								. •		• • • •		0.3
180	2.1	1.4	3.3	0.3	0.1											6.9
185	0.7	1.0	0.7	0.1	•••											2.5
190	0.2	0.1	0.2													0.5
195		•••	•••													0.7
200																
205																
SUM	3.3	2.6	3.9	0.4	0.:											10.3
30			,,,	0.4	٠											10.2
	41 NU FES	FOR TC	RQUEL VS	RPM BY	MISSION	SEG	DESCNT.	вч	RATE	OF	CLIMB	-1800	, BY	OAT	70	
						_										
	LESS	10	20	30	40	50	60		70		80	90	100	110	120	SUM
LESS			0.4	-												0.4
180	4.4		2.5	0.4			0.1									7.9
185	5.5	6.5	3.9	3.1	0.1											19.1
140	1.1	1.1	J.8		0.4											3.4
195	0.1															0.1
200																
205																
SUP	9.0	10.1	7.6	3.5	0.5		0.1									30.9
•••				,,,	•••		•••									30.,
- 1	HINUTES	FOR TO	RQUES VS	RPM BY	MISSION	SEG	DESCHT,	BY	RATE	OF	CL IMB	-1800	. 84	DAT	70	
	LESS	10	20	30	40	50	60		70		80	90	100	110	120	SUM
LESS		0.4														0.4
180	2.7	3.6	0.5	0.9	0.1	0.1	l									7.9
185	9.1	6.2	2.1	1.6	0.2											19.1
190	1.3	0.9	1.0	0.2												3.4
195	•••	•••	3.1	***												0.1
			3.1													0.1
500																
205																
SUP	13.1	11.1	3.6	2.7	0.3	0.1										30.9
	41 NUTES	FOR TO	RQJE1 VS	RPM BY	M 1 S S 1 O M	SEG	DESCNT.	84	RATE	OF	CL IMB	-1800	. 67	OAT	90	
														-		
	LESS	10	20	30	40	50	60		70		80	90	100	110	150	SUM
LESS					0.3	^										
100	1.7	0.6	1.2	0.5	0.1	0.										4.3
185	3.7	2.6	3.5	2.5	0.7	0.1										13.2
190	0.3	0.9	3.3	0.5												2.0
195																
200																
205																
SUP	5.7	4.1	5.0	3.6	0.6	0.3	l									19.5
	HUITEC	FOR TO:	RQJEZ VS		MISSIN	SEG	DESCAT-	44	RATE	O.F	CL IMP	-1 900	. 8	OAT	80	
,	1, 10163	- un iti	-40FF 43	AF 91						٠.					30	
	LESS	10	23	30	40	50	60		70		80	90	100	110	120	SUM
LESS			_	-										-	_	
180	1.7	1.3	3.7	0.8	0.1											4.3
185	4.9	5.5	2.7	0.1	- • •											13.2
190	1.0	0.8	0.1	0.1												2.0
	1.0	V. 0	9.1	V.1												2.0
195																
50C																
205																
SUP	7.5	7.3	3.5	1.1	0.:											19.5

	MINUTES	FOR TC	RQJEL VS	RPM BY	MISSION	SEG	DESCNT,	87	RATE	OF	CLIMB	-1800	. BY	OAT	90	
	LESS	10	20	30	40	50	60		70		80	90	100	110	120	SUM
FEZZ	4.2	1.5	1.1	0.3	0.1				0.1							5.2
185 190 195 200 205	0.3	0.4	1.1	0.2					0.1							2.1
SUP	<b>د.4</b>	1.9	2.2	0.5	0.1				0.2							7.3
	MINUTES	FOR TC	RQUEZ VS	RPM BY	MISSION	SEG	DESCHT.	BY I	RATE	OF	CLIMB	-1600	. 67	DAT	90	
LESS	LESS	10	20	30	40	50	60		70		80	90	100	110	120	SUM
180 185 190 195 200	4.2	1.3	J.8 J.1	0.7			0.1	,	0.1							5.2 2.1
205 SUP	3.5	1.9	0.9	0.7			0.1	i	0.1							7.3
	MINUTES	FOR TO	RQJEL VS	RPM BY	MISSION	SEG	DESCNT.	87	RATE	OF	CLIMB	-1 800	ВУ	DAT	SUM	
LESS	LESS 0.3	10	20 0.4	30	40	50	60		70		80	90	100	110	120	SUM 0.7
180	10.4	6.1	6.5	1.4	0.1	0.2			0.2							25.1
185 190 195 200 205	0.1	2.0	1.5	0.6	0.4	0.1			0.1							37.1 5.9 0.1
SUP	22.0	18.6	17.3	8.1	1.4	,0•3	0.1		0.3							68.8
	MINUTES	FOR TO	RQJE2 VS	RPH BY	M155104	SEG	DESCNT,	34	RATE	OF	CL IMB	-1800	. 87	DAT	SUM	
	LESS	10	20	30	40	50	60		70		80	90	100	110	120	SUM
LESS	0.3 8.7	7.4	5.4	3.1	0.3	0.1			0.1							25.1
185 190 195 200	2.5	13.3	5.5 1.3 J.1	0.3	0.2		0.1									37.1 5.9 0.1
205 SUP	27.6	22.9	12.3	5.3	0.5	0.1	0.1		0.1							68.8
	MINUTES	FOR TO	RQUEL VS	RPH BY	MISS ION	SEG	DESCHT.	BY	RATE	OF	CLIMB	-1500	. 87	DAT	50	
	LESS	10		30	40	50			70		80	90	100	110	123	SUM
185 185 190 195	U.1	0.3		0.2												0.3 2.4 0.4
200 205 SUM		0.9	1.0	0.2												3.0

	MINUTES	FOR TO	RQUEZ VS	RPH BY	HISSIDN	SEG	DESCHT,	BY	RATE	OF	CLIMB	-1500	, BY	DAT	50	
	LESS	10	20	30	40	50	60		70		80	90	100	110	120	SUM
185 185 190 195 200		0.2	1.8	0.3												0.3 2.4 0.4
205 SUP		0.2	۷.0	0.8												3.0
	MI NUTES	FOR TC	RQUE1 VS	RPM BY	MISS 104	SEG	DESCNT.	87	RATE	OF	CLIMB	-1500	, BY	OAT	60	
	LESS	10	20	30	40	50	60		70		80	90	100	110	120	SUM
LESS		1.4	1.7	0.9	0.7		0.1									1.0
185	2.1	3.4		3.3	1.1		0.1									11.3
190 195 200 205		0.5	2.3	0.2									,			3.8
SUP		5.3	5.8	4.4	1.9		0.1									27.9
	MI YUIES	FOR TO	RQUEZ VS	RPM BY	MISS ION	SEG	DESCNT,	97	RATE	OF	CLIMB	-1500	, 87	DAT	60	
	LESS	10	20	30	40	50	60		70		80	90	100	110	120	SUM
LESS	0.8		1.2			,,	•							•••	•••	1.0
180	3.4	3.2	3.3	1.4	0.5 1.2	0.3			0.1							11.3
190 195 200 205	0.4	0.1	7	1.6	***	0.,										3.6
SUP	6.0	5.6	1.9	4.4	1.7	0.3			0.1							27.9
	MI NUTES	FOR TO	SO Tarba	RPM BY	MISS ION	SEG	DESCNT,	87	RATE	OF	CL 1 46	-1500,	RY	OAT	70	
	LESS	10	20	30	40	50			70		90	90	100	110	120	SUM
LESS	3.4	5.6	1.4	0.1	0.2	0.2			0.1							1.6
195	6.8	14.4	17.9	6.9	3.4	0.2			0.1							51.8
190	1.7	2.6	3.8	2.3												10.4
195	J.1	0.1	٥.٥	0.4												0.6
205 \$ J#	13.9	22.7	2+.2	15.9	3.6	0.6	0.4		0.1							86.4
	MI NUTES	FOR TC	QUEZ VS	RPM BY	#15510N	SEG	DESCNT.	8 Y	RATE	OF	CLIMB	-1500	, 8Y	GAT	70	
	LESS	10	20	30	49	50	60		70		80	90	100	110	120	SUM
LESS	U. 7	0.9	J.1				3.C		. •			111.4	• • •			1.9
180	19.8	7.3	5.6 7.5	1.3	0.4	0.2										21.8
185 190 175 200	4.2	2.8	2.1	1.0	0.2											10.4
205 \$U#	32.2	29.4	15.4	7.4	1.4	0.4	3.2									86.4

TABLE VIII - Continued

	MINUTES	FOR TOR	QUEL VS	RPM BY	MISSION	SEG	DESC +T.	BY RATE	OF	CLIMB	-1500	84	DAT	80	
	LESS	10	20	30	40	50	60	70		60	90	100	110	120	SUM
LESS			3.1	0.3											0.4
180		3.2 12.9	3.2 7.2	6.9	2.6 3.2	0.4	9.2	0.2							15.6
190		2.5	2.3	0.9	0.1	0.4	0.0	0.1							6.6
195		0.1		•••	•••		0.0	0.1							0.2
200															
205 SUP		10.0	14.8	12.6	5.7	0.4	0.3	0.4							62.7
305	7.7	18.8	14.0	12.0	7. 1	0.4	0+3	0.4							02.1
	MINUTES	FOR TCR	QJE2 VS	RPM BY	MISS TON	SEG	DESCNT.	BY RATE	OF	CLIMB	-150C	, BY	DAT	80	
	LESS	10	20	30	40	50	60	70		80	90	100	1.0		e
LESS		0.4	20	30	•0	50	CL	70		80	40	100	110	120	SUM 0.4
180		4.5	4.4	0.5	0.5			0.1							15.8
185		15.4	6.6	3.0	1.5	0.4		0.1							39.7
190	2.8 0.1	2.0	3.6	1.2		0.0		0.1							6.6
200								0.1							0.2
205															
SUM	25.0	22.4	9.5	4.7	2.3	0.4	0.4	0.3							62.7
	MI NUTES	FOR TOP	QUE1 VS	RPM BY	MISSION	SEG	DESCHT,	BY RATE	OF	CLIMB	-1500	BY	DAT	90	
	LĖSS	10	20	30	4 C	50	60	70		80	90	100	110	120	SUM
LESS					0.1										0.1
180		2.2	J.8 2.2	0.6	0.2	0.1		0.1							7.1
190		0.0	5.0	0.2	0 • 2	0.1	0.1	V. I							0.5
1 75															0.,
200															
205 SUM		4.3						0.1							
3.3	7.0		3.0	7.6	0.4										14.5
		4.,	3.0	2.5	0.6	0.2	! 0.2	•••							
	MI MINTER								: ne	: Ci fma	-1500		<b>GAT</b>	· an	
	MINUTES				MISSION	SEG	DESCNT,		: OF	CLIMB	-1500	, BY	OAT	90	
	LESS						DESCNT,		OF	CLIMB	-1500 90	, BY	OAT 110	90	SUM
LESS	LESS 0.1	FOR TO	IQJE2 VS 20	RPM BY	MISS ION	SEG	DESCNT,	BY RATI	: OF						0.1
180	LESS 0.1	FOR TOF	20 20	RPM BY 30 0.9	MISSION 40	SEG 50	DESCNT, 60	BY RATI	: OF						0.1 7.1
	LESS 0.1 2.6	FOR TO	IQJE2 VS 20	RPM BY	MISS ION	SEG	DESCNT, 60	BY RATI	: OF						0.1
185 185 196	LESS 0.1 2.6 2.8 0.4	FOR TGF 10 2.4 1.5	20 20	RPM BY 30 0.9	MISSION 40	SEG 50	DESCNT, 60	BY RATI	: OF						0.1 7.1 6.8
185 185 196 195 206	LESS 0.1 2.6 2.8 0.4	FOR TGF 10 2.4 1.5	20 20	RPM BY 30 0.9	MISSION 40	SEG 50	DESCNT, 60	BY RATI	: OF						0.1 7.1 6.8
180 189 190 195 200 205	LESS 0.1 2.6 2.8 0.4	FOR TGF 10 2.4 1.5 0.0	20 20 1.1 0.7	RPM BY 30 0.9	MISSION 40 0.2	SEG 50	DESCNT, 60 0.1	BY RATI	: OF				110		0.1 7.1 6.8 0.5
185 185 196 195 206	LESS 0.1 2.6 2.8 0.4	FOR TGF 10 2.4 1.5	20 20	RPM BY 30 0.9	MISSION 40	SEG 50	DESCNT, 60 0.1	BY RATI	E OF						0.1 7.1 6.8
185 195 195 205 205 SUM	LESS 0-1 2-6 2-8 0-4	FOR TGF 10 2.4 1.5 0.0	20 20 1.1 0.7	RPM BY 30 0.9 1.3	40 0.2 0.2	SEG 50 0.2	DESCNT, ) 60 0.1 2 0.1	BY RATI		•0	90	100	110	120	0.1 7.1 6.8 0.5
185 195 195 205 205 SUM	LESS 0-1 2-6 2-8 0-4	FOR TGF 10 2.4 1.5 0.0	20 20 1.1 0.7	RPM BY 30 0.9 1.3	MISSION 40 0.2	SEG 50 0.2	DESCNT, ) 60 0.1 2 0.1	BY RATI		•0	90	100	110		0.1 7.1 6.8 0.5
185 195 195 205 205 SUM	LESS 0-1 2-6 2-8 0-4	FOR TGF 10 2.4 1.5 0.0	20 20 1.1 0.7	RPM BY 30 0.9 1.3	40 0.2 0.2	SEG 50 0.2	DESCNT, 0 60 0.1 2 0.1	BY RATI		•0	90	100	110	120	0.1 7.1 6.8 0.5
180 185 190 195 200 205 SUM	LESS 0.1 2.6 2.8 0.4 5.9 MINUTES	FOR TGF 10 2.4 1.5 0.0 3.9 FOR TOR	20 :-1 0-7 8	RPM BY 30 0.9 1.3 2.2 RPM BY 30 0.4	MISSION 40 0.2 0.2 MISSION 40 0.1	SEG 50.2	DESCNT, 0 60 0 0.1 2 0.2 DESCNT, 6C	BY RATE 70 BY RATE 70		eo CLIMB	90 -1500.	100 8Y	110	120	0.1 7.1 6.8 0.5
180 185 190 195 205 SUM	LESS 0.1 2.6 2.8 0.4 5.9 0.4 5.9 LESS 1.55 1.55	FOR TGF 10 2.4 1.5 0.0 3.9 FOR TOR 10 0.3 13.0	20 :-1 0.7 8	RPM BY  30 0.9 1.3 2.2  RPM BY 30 0.4 11.3	MISSION 40 0.2 0.2 MISSION 40 0.1 3.P	SEG 50	DESCNT, 0 60 0.1 2 0.2 DESCNT, 60.0	BY RATE 70 97 RATE 70 0-3		eo CLIMB	90 -1500.	100 8Y	110	120	0.1 7.1 6.8 0.5 14.5
180 185 190 195 205 SUM	LESS 0-1 2-6 2-8 0-4 5-9 MINUTES LESS 1-5 1-6	FOR TGR 10 2.4 1.5 0.0 3.9 FOR TGR 10 0.3 13.0 32.8	20 :.1 0.7 8 QUE. VS 20 J.1 14.8 31.4	RPM BY  30 0.9 1.3 2.2  RPM BY 30 0.4 11.3 19.8	40 0.2 0.2 0.2 MISSION 40 0.1 3.P 7.9	SEG 50.2	DESCNT, 0 60 0.1 2 0.1 2 0.2 DESCNT, 6C 0.6	BY RATE 70 BY RATE 70		eo CLIMB	90 -1500.	100 8Y	110	120	0.1 7.1 6.8 0.5 14.5
180 185 190 195 205 SUM	LESS 0.1 2.8 0.4 5.9 MINUTES LESS 10.6 17.1	FOR TGF 10 2.4 1.5 0.0 3.9 FOR TOR 10 0.3 13.0	20 :-1 0.7 8	RPM BY  30 0.9 1.3 2.2  RPM BY 30 0.4 11.3	MISSION 40 0.2 0.2 MISSION 40 0.1 3.P	SEG 50	DESCNT, 0 60 0.1 2 0.2 DESCNT, 60.0	BY RATE 70 97 RATE 70 0-3		eo CLIMB	90 -1500.	100 8Y	110	120	0.1 7.1 6.8 0.5 14.5
LESS 190 205 SUM LESS 180 185 190 200	LESS 0.1 2.6 2.8 0.4 5.9 MINUTES LESS 17.1 3.4 0.1	FOR TGF 10 2.4 1.5 0.0 3.9 FOR TOR 10 0.3 13.0 32.8 5.7	20 1.1 0.7 1.8 QUE. VS 20 0.1 14.8 31.4	RPM BY 30 0.9 1.3 2.2 RPM BY 30 0.4 11.3 19.8 3.6	40 0.2 0.2 0.2 MISSION 40 0.1 3.P 7.9	SEG 50	DESCNT, 0 60 0.1 2 0.1 2 0.2 DESCNT, 6C 0.6	97 RATE 70 0.3 0.2		eo CLIMB	90 -1500.	100 8Y	110	120	0.1 7.1 6.8 0.5 14.5
180 185 190 195 205 SUM LESS 180 185 195	LESS 0.1 2.6 2.8 0.4 5.9 MINUTES LESS 17.6 17.1 3.4 0.1	FOR TGF 10 2.4 1.5 0.0 3.9 FOR TOR 10 0.3 13.0 32.8 5.7	20 1.1 0.7 1.8 QUE. VS 20 0.1 14.8 31.4	RPM BY 30 0.9 1.3 2.2 RPM BY 30 0.4 11.3 19.8 3.6	40 0.2 0.2 0.2 MISSION 40 0.1 3.P 7.9	SEG 50	DESCNT, 0 60 0.1 2 0.2 DESCNT, 6C 0.C 7.4	97 RATE 70 0.3 0.2		eo CLIMB	90 -1500.	100 8Y	110	120	0.1 7.1 6.8 0.5 14.5

	MINUTES	FOR TO	RQJE2 VS	RPM 84	MISSION	SEG C	ESC'+T+	BY	RATE	OF	CLIMB	-1500	, BY	OAT	SUM	
	LESS	10	20	30	40	50	60		70		80	90	100	110	120	SUM
LESS		1.3	J.3	0.3			0.0									3.6
180		17.4 37.8	15.6	10.7	1.4 3.7	0.2	0.2		0.2							58.4
190		4.9	4.4	3.8	0.2	0.0	0.,									21.2
195	0.7			,,,	•••	•••			0.1							0.6
205 SUM		61.5	38.6	19.5	5.3	1.3	0.0		0.4							194.5
	MINUTES	FOR TOP	IQUEL VS	RPM BY	MISS TON	SEG D	ESCNT,	вч	RATE	OF	CLIMB	-1200,	. BY	OAT	50	
	LESS	10	20	30	40	50	60		70		80	90	100	110	120	SUM
LESS					• •											44
185		2.0	3.1 0.4 3.7	0.4	0.1											6.1 3.4 0.7
195 200																
205 SUM	1.0	3.2	4.2	1.7	0.1											10.2
,	MINUTES	FOR TOR	QUEZ VS	RPM BY	MISSION	SEG D	ESCYT,	BY	RATE	OF	CLIMB	-1200	. 87	GAT	50	
	LESS	10	20	30	40	50	60		70		80	90	100	110	120	SUM
LESS		0.1	2.3	3.6	0.1											6.1
185	0.4	1.2	1.8													3.4
190 195 200		0.3	0.3													0.7
205 SUM	0.4	1.7	4.4	3.6	0.1											10.2
,	MINUTES	FOR TCA	IQJEL VS	RPM 6Y	MISSION	SEG O	ESCNT.	BY	RATE	OF	CLIMB	-1200.	87	OAT	60	
	LESS	10	20	30	40	50	60		70		80	90	100	110	120	SUM
LESS														•••	•••	
180	9.0	7.3	8.0	9.1	2.9	0.2	0.1									27.9
100	1.3	4.7	4.5	2.3	1.1	•••										13.9
195																
200																
SUP	13.9	18.8	21.1	14.7	4.5	0.4	3.1									73.6
1.	MINUTES	FOR TOR	SA 23FB	RPM BY	MCI 221M	SEG D	ESCNT,	вч	RATE	OF	SLIMB	-1200	. BY	DAT	60	
	LESS	10	20	30	47	50	6 C		<b>7</b> m		0.0	90	100	110	120	SUM
LESS		5.4	10.9	4.7	- 1.3	0.1										
180	5.5 5.0	7.3	10.4	7.9	1.9	0.1										27.9 31.8
190 195 200	0.7	1.0	5.2	4.9	1.1											13.9
205																
SUM	11.2	13.7	20.7	17.5	4.3	0.1										73.6

TABLE VIII - Continued

	MINUTES	FOR TC	RQJEL VS	RPM BY	MISSION	SEG	DESCHT.	84	RATE	OF	CLIMB	-1200,	84	DAT	70	
	LESS	10	20	30	40	50	60		70		80	90	100	110	120	SUM
LESS		0.4	0.2	0.1	0.3						1717					1.1
180	9.9	7.2	8.3	10.8	4.2	0.6						0.1				41.1
185		16.0	21.5	26.2	9.8	1.3			0.0			0.1				64.0
190		3.7	7.4	8.4	3.4	0.1										25.0
195			0.2	0.2												0.5
200																
SUM		27.3	37.7	45.7	17.7	2.0	0.1		0.0			0.1				151.8
•••					• • • •		•		•••			•••				
	MINHTES	FOR TO	ROJEZ VS	RPM RY	MISS ION	SEG	DESCRIT.	AY	RATE	OF	CLIMB	-1200	. 84	OAT	70	
	10120									-			115.1	-		
	LESS	10	20	30	40	50	60		70		80	90	100	110	120	SUM
LESS		0.4	3.2	0.2												1.1
180		10.8	8.6	4.9	4.1	0.			0.1							41.1
185		24.4	19.2	18.3	6.6	1.			0.1							84.0 25.0
190		2.1	7.4	6.9	4.1	0.1										0.5
200		0.2														0.7
205																
SUM		37.9	35.4	30.3	14.9	1.7	0.0		0.1							151.8
	MINUTES	FOR TC	QUEL VS	RPM BY	MISS TON	SEG	DESCYT.	BY	RATE	OF	CLIMB	-1200,	BY	DAT	80	
	LESS	10	20	30	40	50	60		70		60	90	100	110	120	SUM
LESS 180		2.1	J.O 7.1	0.1	1.0 7.0	0.3	ı									1.2 29.0
185		9.7	16.7	12.6	7.5	0.9			0.3			0.1				54.2
190		2.3	3.1	1.0	0.9	•••						•••				8.4
195				0.0												0.0
200																
205																
SUM	9.7	14.1	20.7	23.8	16.3	1.2	0.3		0.3			0.1				92.8
	-	508 TO	001E2 VS		MISS ION	250	DESCUT.		BATE	OF	C. 140	-1 200	. 81	DAT	80	
	41 40 163	FUR TU	-4067 13	NE TO	4133101	360	0636111	01		GF	CLIND	-1200	, 0,	UNI	80	
	LESS	10	20	30	40	50	60		70		80	90	100	110	120	SUM
LESS	1	0.4	3.8						-			-			300	1.2
180		10.0	5.3	5.3	0. 4	0.6										29.0
185			4.9	6.8	3.2	0.1	0.1		0.1							54.2
190			4.6	2.2	0.7											0.4
195		0.0														0.0
205																
SUM		30.9	17.5	14.3	4.1	1.4	0.1		0.1							92.8
	MINUTES	FOR TO	RQUE1 VS	RPM BY	M 155 104	SEG	DESCNT.	87	RATE	OF	CLIMB	-1200.	84	DAT	90	
										OF			-			
	LESS			RPM 89	MISSION 40	S E G			RATE 70	OF	CLIMB 80	-1200. 90	8Y	DAT 110	90 120	SUM
LESS	LESS	10	20	30	<b>4</b> C	50	60		70	OF			-			
LESS 180	LESS	10	20 0.9	30 2.6	4C 0.3	50 0 - 1	60				80		-			9.4
LESS	LESS 1.3	10	20 0.9	30	<b>4</b> C	5.1 0.1	60		70		80		-			9.4
LESS 180 185 190	1.3 1.0 0.1	10	20 0.9 3.8	30 2.6 3.0	4C 0.3	50 0 - 1	60		70		80		-			9.4 13.6 1.1
LESS 180 185 190 195 200	1.3 1.0 0.1	4.0 4.3	20 0.9 3.8 J.4	30 2.6 3.0	4C 0.3	5.1 0.1	60		70		80		-			9.4
LESS 180 185 190	LESS 1.3 1.0 0.1	4.0 4.3 0.1	20 0.9 3.8 J.4	30 2.6 3.0	4C 0.3	5.1 0.1	60		70		80		-			9.4 13.6 1.1

	MINUTES	FOR TO	RQJE2 VS	RPH BY	MISS ION	SEG	DESCHT,	84	RATE	OF CLIMB	-1200	. 84	DAT	90	
	LESS	10	20	30	40	50	60		70	60	90	100	110	120	SUM
LESS	1.8	2.1	3.9	1.4			0.1			0.1					9.4
185	3.2	4.2	3.5	2.2	0.4				0.1						13.6
190	0.1	0.7		0.1			0.2								0.2
200				• • •											
205 SUP	5.1	7.1	7.4	3.8	0.4		0.3		0.1	0.1					24.3
30.	,			,,,	•••		•••		•••	•••					
	MINHTES	FOR TO	ROUEL VS	RPM RY	MISS TON	SEG	DESCUT.	AV	RATE	OF CLIMB	-1 200	BY	DAT	SUM	
								٠.							
LESS	LESS 0.1	10 0.4		30 0.2	43 1.3	50	60		70	80	90	100	110	120	SUM
180	23.1	21.3		27.9	12.2	1.2	0.2		0.2		9.1				2.3
185	20.4	39.3		51.3	21.2	2.1			0.3	0.1	0.1				186.9
190	4.5	10.8	16.1	11.9	5.4	0.2	?			0.2					49.1
195	0.2	0.1	0.3	0.2											0.8
200															
SUP	48.2	71.9	95.2	91.7	40.0	4.1	0.5		0.5	0.3	0.2				352.6
											_				
	MINUTES	FOR TO	AQUES VS	RPM BY	HISS ION	SEG	DESCAT,	BY	RATE	OF CLIMS	-1200	. 87	OAT	SUM	
LESS	LESS U.3	10 0.8		30 0.2	40	50	) 60		70	80	90	100	110	120	SUM 2.3
180		28.4		19.9	6.3	0.4	0.1		0.1	0.1					113.5
185		55.3		35.2	12.1	2 . :			0.2						186.9
190		6.4		14.1	5.4	0.1	0.2								49.1
195		0.3		0.1											0.8
200 205															
SUM		91.3	94.4	69.5	23.9	3.2	2 0.4		0.3	0.1					352.6
:	MI NUTES	FOR TO	RQJE1 VS	RPM BY	M155 104	SEG	DESCAT,	BY	RATE	OF CLIMB	-900.	BY	DAT	50	
	LESS	10	20	30	42	50	60		70	80	90	100	110	120	SUM
LESS	LESS	10	0.9	30	•,	,	, 00		,,	80	70	100	110	120	0.9
IRC	4.5	1.6	2.2	0.8	1.7										7.9
185		4.3	3.8	0.4											8.5
190			1.1	0.8											1.9
195															
205															
SUP	1.6	6.0	7.9	2.0	1.7										19.2
- 1	MINUTES	FOR TO	RQUE2 VS	RPM BY	MISSION	SEG	DESCHT.	BY	RATE	OF CLIMB	-900	. BY	DAT	50	
	LESS	10	20	30	40	50	60		70	80	90	100	110	120	SUM
LESS				0.9			. •								0.9
180		1.3	2.4	3.2	1.1										7.9
185		0.4	7.8	0 4	0.4										8.5
190		0.8	3.7	0.4											1.9
200															
205															
SUM		2.4	13.8	4.5	1.4										19.2

	MI NUTES	FOR TO	QUEL VS	RPM BY	HISS ION	SEG	DESCNT,	BY	RATE	OF CLIMS	-900	BY	OAT	60	
LESS		10	20	30 0.1	40 0.5	50			70	80	90	100	110	120	SUM 1.5
180		5.3 9.8	9.4 13.5	7.7	6.2	0.1			0.1	0.1					40.0
190	4.1	4.8	5.7	6.5	0.7	0.7									22.5
195 200 205			0.1												0.1
SUP		19.9	28.8	27.3	9.8	2.4	•		0.1	0.1					113.9
1		FOR TOP	QUE2 VS	RPM BY	M 155 104	SEG	DESCHT.	8 Y	RATE	OF CLIMB	-900	, BY	DAT	60	
	FFZZ	10	20	30	4 C	50	60		70	83	90	100	110	120	SUM
LESS 180		7.0	0.6 15.0	8.2	1.6				0.2						40.0
185		11.3	21.6	10.5	3.3	0.9	)								49.9
190		3.0	6.6	9.4	3.2										22.5
195 200				0.1											0.1
205 SUP		21 2	41 0	28.8	8.2	0.9			^ 2						
30-	10.8	21.2	43.8	20.0	8.2	0.4	, -		0.2						113.9
1	MINUTES	FOR TCR	ONET A2	RPM BY	MISS ION	SEG	DESCHT.	84	RATE	OF CLIMB	-900,	84	DAT	70	
	LESS	10	20	30	40	50	60		70	80	90	100	110	120	SUM
LESS 180		10.5	10.7	15.8	9.9	1.2	0.1								1.1
185		20.5	34.1	46.3	19.1	3.3			0.2	0.0					61.2 133.3
190		4.7	4.7	15.9	6.0	0.3			0.2	•••					35.2
195 200				0.1											0.1
205 SUP		35.8	50.0	78.1	35.0	4.6	1.0		0.4	0.0					230.8
•			2007		3300	***			•••	0.0					230.6
	MINUTES	FOR TOR	QUES A2	RPM BY	MISS 104	SEG	DESCHT,	87	RATE	OF CLIMB	-900	. 6Y	OAT .	70	
	LESS	10	20	30	40	50	60		70	80	90	100	110	120	SUM
LESS 180	16.2	18.0	12.6	8.4	4 1										1.1
185	15.2	25.3	37.1	37.5	4.1	2.0			0.1						61.2
190		2.5	4.8	15.8	8.0	0.5			0.2						35.2
195	0.1														0.1
200 205															
SUP	35.5	46.1	54.5	61.7	27.9	3.8	0.8		0.4						230.8
	35.5	46.1	54.5	61.7	27.9	3.8	0.8		0.4						230.8
	35.5	46.1	54.5	61.7	27.9	3.8	0.8		0.4						230.8
SUP										OF CLIMB	-900•	BY	OAT	80	230.8
SUP	MINUTES	FOR TOR	ONET A2	RPM BY	M ESS TON	SEG	DESCNT,		RATE			-			
ŠÚP	MINUTES LESS			RPM BY	MISSION 40		DESCNT,			OF CLIMB 80	-900 • 90	B¥ 100	OAT 110	80 120	SUM
SUP	MI NUTES LESS	FOR TOR	ONET A2	RPM BY	M ESS TON	SEG	DESCNT,	ВЧ	RATE			-			SUM 0.5
SUP LESS 180 185	MINUTES LESS 2.5 10.1	FOR TOR 10 3.3 15.9	QUE1 VS 20 9.1 17.6	30 0.3 15.1 23.1	4C 0.2 6.6 18.4	SEG 50 0.4 2.1	DESCNT, 60	ВЧ	70 0.1	80		-			SUM
LESS 180 185	MINUTES LESS 2.5 10.1 1.8	FOR TOR  10  3.3 15.9 2.9	9.1 9.1	RPM BY 30 0.3 15.1	MISSION 40 0.2 6.6	SEG 50	DESCNT, 60 0.3	ВЧ	70 0.1	80		-			SUM 0.5 37.5 89.4 18.0
LESS 180 185 190 195	MINUTES LESS 2.5 10.1 1.8	FOR TOR 10 3.3 15.9	QUE1 VS 20 9.1 17.6	30 0.3 15.1 23.1	4C 0.2 6.6 18.4	SEG 50 0.4 2.1	DESCNT, 60	ВЧ	70 0.1	80		-			SUM 0.5 37.5 89.4
LESS 180 185	MINUTES LESS 2.5 10.1 1.8	FOR TOR  10  3.3 15.9 2.9	QUE1 VS 20 9.1 17.6	30 0.3 15.1 23.1	4C 0.2 6.6 18.4	SEG 50 0.4 2.1	DESCNT, 60 0.3	ВЧ	70 0.1	80		-			SUM 0.5 37.5 89.4 18.0

	MINUTES	FOR TOP	QJE2 VS	RPM BY	M 122 10A	SEG	DESCHT,	BY	RATE	OF CLIMS	-930	. 84	DAT	80	
LESS	LESS	10	20 0.3	30 0.2	40	50	60		70	80	90	100	110	120	SUM 0.5
100		11.0	9.0	6.7	2.5	0.1			0.3						37.5
185	17.0	21.5	22.1	21.5	4.6 0.6	0.3			0.5						89.4
195 200	0.2	7.7	7.7	7.7	0.0	0.3	0.0		0.2						0.2
205 SUP	29.0	36.9	35.4	32.8	7.7	1.6	1.3		1.0						145.7
		FOR TC	QUEL VS		MISS 104			84		OF CLIMB	-900	. BY	OAT	90	
LESS		10	20	0.2	40	5(			70	80	90	100	110	120	SUM 0.2
100			1.7	3.2	2.6	0.			0.6	0.1					15.0
165 190 195 200	0.2	3.1	7.6	13.1	3.3 0.1	1.9	0.5			0.2					30.6
205 SUM		7.7	10.0	10.3	5.9	2.1	0.7		0.6	0.3					48.6
	MINUTES	FOR TO	RQUEZ VS	RPH BY	MISS 104	SEG	DESCRT.	BY	RATE	OF CLIMB	-900	, 81	OAT	90	
	LESS	10	20	30	40	50	60		70	80	90	100	110	120	P. 184
LESS		0.2		,,,	40		, •		10	•0	70	100	110	120	SUM 0.2
100		4.9	4.8	0.6	0.3	0.5			0.1						15.0
185 190 195 200 205	0.2	0.4	7.7	1.3	0.9	0.1				0.1					30.6
SUP		12.0	13.1	10.6	1.5	1.1	0.é		0.1	0.1					48.6
į	MINUTES	FOR TOP	QJE1 VS	RPH BY	M155104	SEG	DESCHT,	87	RATE	OF CLIMB	-300,	67	CAT	SUM	
			-		4.0		4.0		7.0	••		100			
LESS	LĖSS 1.3	10	20 1.4	30 0.6	40 0.9	50	60		70	80	90	100	110	120	SUM 4.2
180	34.0	25.4	33.0	42.6	23.1	1.9			0.8	0.3					161.7
105	25.9	53.7	76.6	95.9	46.9	9.0			1.2	0.2					311.6
190	9.2	12.5	16.3	31.4	9.2	1.0	0.4		0.5						80.4
200		0.2	0.1	0.1			0.0								0.4
205 SUP	70.3	91.7	127.4	170.5	80.2	11.9	3.2		2.5	0.5					558.3
	MINUTES	FOR TCR	IQUEZ VS	RPM BY	MISS 104	SEG	DESCNT,	87	RATE	OF CLIMB	-900	, BY	QAT	Sum	
	LESS	10	20	30	40	50	60		70	80	90	100	110	120	SUM
LESS	1.0	0.6	0.9	1.7											4.2
180	35.7	+2.1	43.7	27.1	9.4	2.5			0.6						161.7
185	40.2	65.0	96.3	78.2	24.9	4.1			0.6	0.1					311.6
190 195 200	7.7	11.0	16.7	31.4	12.7	0.8			0.4						80.4
205	•••			0.1			0.0								0.4

	MINUTES	FOR TO	CRQUEL VS	RPM BY	MISS 104	SEG	DESCNT.	84	RATE	OF	CLIMB	-600.	84	OAT	40	
	LESS	10	20	30	40	50	60		70		60	90	100	110	120	SUM
LESS	2233	• `			***	-					••			• • •		
180 185 190 195 200 205				2.1												2.1
SUM				2.1												2.1
	MINUTES	FOR T	ORQUEZ VS	RPM BY	MISSION	SEG	DESCNT.	BY	RATE	0F	CLIMB	-600	. 87	OAT	40	
									70						120	SUM
LESS	LESS	1	0 20	30	4 C	50	60		70		80	90	100	110	120	30m
180 185 190 195 200 205				1.3	0.8											2.1
SUM		FOR T	ORQUEL VS	1.3	0.0	SEG	DESCNT.	AY	RATE	OF	CLIMA	-600	. 6Y	OAT	50	2.1
								٠.		٠.						
LESS	LESS	1	0 20	30 0.5	4.0 0.5	50	60		70		60	90	100	110	120	SUM 1.1
180	1	1.		7.7	2.1											16.0
185 190 195 200 205		1.	0.5	1.0												1.5
SUM		2. FOR TO	3 9.8	9.3	2.6 MISSION	SEG	DESCUT.	RV	RATE	ne	C: INA	-600	. 87	OAT	50	24.0
										•						
LESS	LESS	10	20	30 0.5	0.5	50	60		70		90	90	100	110	120	SUM 1.1
180 185 190 195 200 205		1.4	5.1 1.5	7.3	4.2	0.2										16.0 5.4 1.5
SUM		1.4		8.2	4.7	0.2										24.0
	MINUTES	FOR TO	DRQUEL VS	RPM BY	<b>MISSIOA</b>	SEG	DESCAT.	84	RATE	OF	CLIMB	-600,	BY	DAT	50	
	LESS	10	20	30	40	50	60		70		80	90	100	110	120	SUM
LESS		4 9	14.0	0.1	10 1	, .										1.1
185		14.		11.2 27.4	10.?	1.0			0.1		0.1					51.9 79.1
190 195 200 205	1.1	2.9	7.6	4.4	1.1	0.3										19.3
SUP	16.2	23.3	44.9	43.0	18.9	4.2	0.4		0.2		0.1					151.3

i	MINUTES	FOR TO	SA Zarba	RPM BY	MISSION	SLG	DESCHT,	BY	RATE	OF	CLIMB	-600	,	BY	DAT	60	
	LeSS	10	20	30	4 C	50	60		70		80	90	1	00	110	120	SUM
LESS			1.0	0.1							•••	, ,	•	••	•••		1.1
180	5.5 3.8	8.5	16.7 32.3	13.1 23.1	6.3	0.6			0.1								51.9 79.1
190	0.1	0.3	8.1	9.6	0.9	0.3			•••								19.3
195 200																	
205																	
SUP	9.4	15.4	58.1	45.9	17.9	3.6	0.8		0.2								151.3
	MINUTES	FOR TO	RQJEL VS	RPM BY	MISSIDM	SEG	DESCUT.	RY	RATE	JF	CLIMB	-600	,	BY	DAT	70	
	LESS	10	20	30	4 C	50	60		70		80	90	i	00	110	120	SUM
LESS	1.5	0.7		1.4	0.4						350		-	••			4.1
180		8.0	12.0	20.2	11.9	4.8			0.2								71.2
185	5.7		35.6 7.5	67.4	38.3	5.1			0.7								171.1 77.6
195			1.4	0.2	0.2		• •••										0.8
200																	
205 SUP	25.1	29.7	55.5	120.9	73.3	16.1	3.4		0.9								324.9
•••					1 24 2	101	, ,,,		0.7								36404
		-22 -2		2													
	WIANIE?	FOR TO	RQUE2 VS	MPM BY	W122104	SEG	DESCNT.	84	RATE	QF	CLIMB	-600	,	BY	OAT	70	
	LESS	10	20	30	47	50	60		70		83	93	1	00	110	120	SUM
LESS	15.9	2.2	3.2	0.1	0.												4.1
180	11.2	31.3	13.2	13.7	7.4 37.4	3.6			0.3								71.2
190	2.9	4.2	15.)	30.7	21.7	3.6			0.5								77.6
195		0.1	J.6	0.1													0.8
200																	
205 SUP	31.4	54.9	64.0	94.1	61. 1	12.8	1.0		0.3								324.9
				-													32 11 /
	41 UIITES	FOR IC	RQUEL VS	OPH RY	MISSION	SEG	DESCRIT.	RY	RATE	a.	CLIMA	-630	١.	BY	CAT	80	
								•		•							
LESS	LeSS	10	23	30	4)	50			70		80	90	1	00	110	120	SUM
190	2.2	2.5	7.7	0.1 22.6	0.6 20.7	4.0			0.3	(	0.0						1.1
195	10.5	16.8	23.3	38.9	32.?	4.9			1.5		C.4						130.6
190	4.2	7.1	4.6	12.7	7.3	1.6	0.6		0.4	(	0.1						36.6
195				0.1													0.1
205																	
SUM	15.1	26.6	35.6	74.4	60.2	10.7	3.4		2.2	(	0.5						228.8
	INUTES	FOR TER	QUE2 VS	RPM BY	MISSION	SEG	DESCHT,	BY	RATE	OF	CLIMB	-630	•	BY	CAT	83	
	LESS	10	20	30	40	50	60		70		80	90	10	00	110	120	SUM
LESS	6633	0.3	20	0.2	0.4	0.2					-		• `				1.1
180	9.4	12.5	10.8	13.8	9.7	3.7	0.5		0.1	_							60.5
185	10.0	22.2	32.6	31.0	20.7	3.9			0.7		1. 3						36.6
190	3.7	4.7	6.5	0.1	4.:	0.5	0.4			U	. 2						0.1
200																	
205			1.5							_							
SUM	31.1	39.6	44.8	61.6	34.8	0.3	2.3		0.8	0	. 4						228.8

LESS 10 22 30 47 50 60 70 80 90 100 110 120 SUM  LESS 10 22 30 47 50 60 70 80 90 100 110 120 SUM  LESS 10 0.2 1.5 2.5 2.7 0.3 0.2 0.1 0.3 0.3 0.3 0.3 0.4 0.4 0.1  LESS 20 0.2 1.5 0.5 0.1 0.2 0.3 0.2 0.1 0.3 0.3 0.3 0.4 0.1  LESS 0.2 0.1 0.3 15.2 27.0 26.7 8.2 1.2 1.3 0.3 0.3 0.3 0.4 0.4 0.1  LESS 0.2 0.1 0.3 0.4 0.5 0.4 0.7 0.8 0.9 0.1 0.0 110 120 SUM  LESS 0.2 0.1 0.3 0.4 0.5 0.4 0.1 0.4 0.1 0.3 0.3 0.3 0.3 0.3 0.3 0.3 0.3 0.3 0.3		MINUTES	FOR TU	QUEL VS	RPM BY	MISSION	SEG	DESCNT,	BY RATE	OF CLIMB	-600	, BY	DAT	90	
186	1555		10	20	30		50	60	70	80	90	100	110	120	
190			4.0	4.0	9.4		2.	3 0.5	0.6						
195		2.7				15.9	5.0	b :.e	0.5	0.3					58.3
### SUP # #2 10.3 15.2 27.0 26.1 8.2 2.2 1.3 0.3	195	i	0.2	1.5		2.7	0.	3 0.ž	0.1						
MINUTES FOR TORQUE. VS RPM BY HISSION SEG DESCNT. BY RATE OF CLIMB -600 . BY DAT 90  LESS 0.2 0.1 0.3 30 4.7 50 80 70 80 90 100 110 120 SUM  LESS 0.2 0.1 30.5 1.8 1.7 0.7 0.4 0.1 0.4 0.0 30.5  180 6.8 11.7 1.8 15.8 5.7 1.9 1.1 0.4 0.0 0.0 30.5  180 1.6 1.7 1.8 15.8 5.7 1.9 1.1 0.4 0.0 0.0 0.0 0.0 0.0  205 0.1 0.4 0.2 2.1 1.7 0.7 0.1 0.4 0.0 0.0 0.0 0.0  206 0.1 0.0 0.1 0.4 0.2 0.1 1.7 0.7 0.1 0.4 0.0 0.0 0.0 0.0  HINUTES FOR TCRQUEL VS RPM BY MISSION SEG DESCNT. BY RATE OF CLIMB -600, BY DAT SUM  LESS 10 20 30 40 50 60 70 80 90 100 110 120 SUM  LESS 20.1 0.2 0.3 0.4 0.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	205				.12										
LESS 10 20 30 47 50 40 70 80 90 100 110 120 SUM  LESS 0-2 0.1 1.7 6.1 2.7 0.7 6.4 0.1  LESS 0-2 0.2 1.7 6.1 2.7 0.7 6.4 0.1  LESS 0-2 0.2 1.7 6.1 2.7 0.7 6.4 0.1  LESS 0.8 11.7 1.8 15.8 5.7 1.9 1.1 0.4 0.0 5 58.3  LESS 0.8 11.7 1.8 15.8 5.7 1.9 1.1 0.4 0.0 5 58.3  LESS 0.4 0.4 0.2 2.1 1.7 0.7 0.1  MINUTES FOR TCRQUEL VS RPH BY HISSION SEG DESCNT, BY RATE OF CLIMB -600, BY DAT SUM  LESS 10 20 30 40 50 60 70 80 90 100 110 120 SUM  LESS 10 20 30 40 50 60 70 80 90 100 110 120 SUM  LESS 10 20 30 40 50 60 70 80 90 100 110 120 SUM  LESS 10 20 30 40 50 60 70 80 90 100 110 120 SUM  LESS 10 20 30 40 50 60 70 80 90 100 110 120 SUM  LESS 10 20 30 40 50 60 70 80 90 100 110 120 SUM  LESS 10 20 30 40 50 60 70 80 90 100 110 120 SUM  LESS 10 20 30 40 50 60 70 80 90 100 110 120 SUM  LESS 10 20 30 40 50 60 70 80 90 100 110 120 SUM  LESS 10 20 30 40 50 60 70 80 90 100 110 120 SUM  LESS 10 20 30 40 50 60 70 80 90 100 110 120 SUM  LESS 10 20 30 40 50 60 70 80 90 100 110 120 SUM  LESS 10 20 30 40 50 60 70 80 90 100 110 120 SUM  LESS 10 20 30 40 50 60 70 80 90 100 110 120 SUM  LESS 10 20 30 40 50 60 70 80 90 100 110 120 SUM  LESS 10 20 30 40 50 60 70 80 90 100 110 120 SUM  LESS 10 20 30 40 50 60 70 80 90 100 110 120 SUM  LESS 10 20 30 40 50 60 70 80 90 100 110 120 SUM  LESS 10 20 30 40 50 80 70 80 90 100 110 120 SUM  LESS 10 20 30 40 50 80 70 80 90 100 110 120 SUM  LESS 10 20 30 40 50 80 70 80 90 100 110 120 SUM  LESS 10 20 30 40 50 80 70 80 90 100 110 120 SUM  LESS 10 20 30 40 50 80 70 80 90 100 110 120 SUM  LESS 10 20 30 40 50 80 70 80 90 100 110 120 SUM  LESS 10 20 30 40 50 80 70 80 90 100 110 120 SUM  LESS 10 20 30 40 50 80 70 80 90 100 110 120 SUM  LESS 10 20 30 40 50 80 70 80 90 100 110 120 SUM  LESS 10 20 30 40 50 80 70 80 90 100 110 120 SUM  LESS 10 20 30 40 50 80 70 80 90 100 110 120 SUM  LESS 10 20 30 40 50 80 70 80 90 100 110 120 SUM	SUM	4.2	10.3	16.2	27.0	26 • 3	8.2	2.3	1.3	0.3					96.1
LESS 10 20 30 47 50 40 70 80 90 100 110 120 SUM  LESS 0-2 0.1 1.7 6.1 2.7 0.7 6.4 0.1  LESS 0-2 0.2 1.7 6.1 2.7 0.7 6.4 0.1  LESS 10 20 30 40 50 60 70 80 90 100 110 120 SUM  NINUTES FOR TGRQUEL VS RPH BY HISSION SEG DESCNT, BY RATE OF CLIMB -600, BY DAT SUM  LESS 10 20 30 40 50 60 70 80 90 100 110 120 SUM  LESS 10 20 30 40 50 60 70 80 90 100 110 120 SUM  LESS 10 20 30 40 50 60 70 80 90 100 110 120 SUM  LESS 10 20 30 40 50 60 70 80 90 100 110 120 SUM  LESS 10 20 30 40 50 60 70 80 90 100 110 120 SUM  LESS 10 20 30 40 50 60 70 80 90 100 110 120 SUM  LESS 10 20 30 40 50 60 70 80 90 100 110 120 SUM  LESS 10 20 30 40 50 60 70 80 90 100 110 120 SUM  LESS 10 20 30 40 50 60 70 80 90 100 110 120 SUM  LESS 10 20 30 40 50 60 70 80 90 100 110 120 SUM  LESS 10 20 30 40 50 60 70 80 90 100 110 120 SUM  LESS 10 20 30 40 50 60 70 80 90 100 110 120 SUM  LESS 10 20 30 40 50 60 70 80 90 100 110 120 SUM  LESS 10 20 30 40 50 60 70 80 90 100 110 120 SUM  LESS 10 20 30 40 50 60 70 80 90 100 110 120 SUM  LESS 10 20 30 40 50 60 70 80 90 100 110 120 SUM  LESS 10 20 30 40 50 60 70 80 90 100 110 120 SUM  LESS 10 20 30 40 50 60 70 80 90 100 110 120 SUM  LESS 10 20 30 40 50 80 40 50 60 70 80 90 100 110 120 SUM  LESS 10 20 30 40 50 60 70 80 90 100 110 120 SUM  LESS 10 20 30 40 50 80 70 80 90 100 110 120 SUM  LESS 10 20 30 40 50 80 70 80 90 100 110 120 SUM  LESS 10 20 30 40 50 80 70 80 90 100 110 120 SUM  LESS 10 20 30 40 50 80 70 80 90 100 110 120 SUM  LESS 10 20 30 40 50 80 70 80 90 100 110 120 SUM  LESS 10 20 30 40 50 80 70 80 90 100 110 120 SUM  LESS 10 20 30 40 50 80 70 80 90 100 110 120 SUM  LESS 10 20 30 40 50 80 70 80 90 100 110 120 SUM  LESS 10 20 30 40 50 80 70 80 90 100 110 120 SUM  LESS 10 20 30 40 50 80 70 80 90 100 110 120 SUM  LESS 10 20 30 40 50 80 70 80 90 100 110 120 SUM  LESS 10 20 30 40 50 80 70 80 90 100 110 120 SUM  LESS 10 20 30 40 50 80 70 80 90 100 110 120 SUM															
LESS	1	MINUTES	FOR TOR	QUEL VS	RPM BY	MISS 10N	SEG	DESCMT.	BY RATE	OF CLIMB	-600	. 67	DAT	90	
180 7.2 6.2 7.7 6.1 2.7 0.7 0.4 0.1 30.5 185 6.8 11.7 1.8 15.6 5.7 1.9 1.1 0.4 0.0 0.0 58.3 190 1.6 0.4 0.2 2.1 1.7 0.7 0.1 0.1 200 200 201 201 205 0.1  HINUTES FOR TGRQUEL VS RPM BY MISSION SEG DESCNT, BY RATE OF CLIMB -600, BY DAT SUM  LESS 10 20 30 40 50 60 70 80 90 100 110 120 SUM  LESS 2.6 0.9 2.1 1.4 0.2 180 20.3 22.2 4.5 73.2 52.5 12.2 1.8 1.2 0.1 21.2 180 20.3 22.2 4.5 73.2 52.5 12.7 1.8 1.2 0.1 21.2 180 7.5 16.1 2.0 52.3 32.9 7.3 1.5 0.5 0.1 21.2 180 7.5 16.1 2.0 52.3 32.9 7.3 1.5 0.5 0.1 11.0 200 200 201 202 203 203 204 0.4 0.2 204 0.4 0.2 205 2.9 0.7 444.4 180 7.5 16.1 2.8 52.3 32.9 7.3 1.5 0.5 0.1 11.0 202 203 204 0.4 0.2 205 205 205 205 205 205 205 205 205 20		LESS			30	40	50	60	70	80	90	100	110	120	
185		7.2			4.1	2.0	0.7	6.4	0.1						
190										0.0					
## NUTES FOR TORQUEZ VS RPM BY MISSION SEG DESCNT, BY RATE OF CLIMB -600, BY DAT SUM  LESS 2.6 0.9 2.1 1.7 0.2 1.2 1.2 1.2 1.1 1.2 0.1 22.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2	190				2.1										
NINUTES FOR TCRQUEL VS RPM BY MISSION SEG DESCNT, BY RATE OF CLIMB -600, BY DAT SUM  LESS 10 29 30 40 50 60 70 80 90 100 110 120 SUM  LESS 2-6 0.9 2.1 1.4 0.2 190 26-3 22-2 42.6 73.2 52.5 12.2 1.6 1.2 0.1 444-4 190 7.5 16-1 23.8 52.3 32.6 7.3 1.5 0.5 0.1 22.2 205 SUM 60.5 92.3 162.1 276.6 181.3 39.3 9.6 4.6 0.9 80 90 100 110 120 SUM  LESS 10 20 30 40 50 60 70 80 90 100 110 120 SUM  MINUTES FOR TCRQUEZ VS RPM BY MISSION SEG DESCNT, BY RATE OF CLIMB -600 , BY DAT SUM  LESS 10 20 30 40 50 60 70 80 90 100 110 120 SUM  LESS 1.4 2.7 1.3 0.9 1.2 0.2 180 38.1 43.8 51.2 55.3 30.5 11.0 2.0 0.3 185 39.8 73.8 124.7 119.8 69.4 12.0 3.1 1.6 0.2 444.6 190 6.3 9.6 31.4 58.9 27.9 5.1 0.5 0.2 0.2 185 39.8 73.8 124.7 119.8 69.4 12.0 3.1 1.6 0.2 444.6 190 6.3 9.6 31.4 58.9 27.9 5.1 0.5 0.2 141.8 195 0.2 205 SUM 87.5 129.9 209.2 235.2 129.7 28.3 5.7 1.9 0.4 87.7 220.2  MINUTES FOR TCRQUEL VS RPM BY MISSION SEG DESCNT, BY RATE OF CLIMB -300, BY DAT 40  MINUTES FOR TCRQUEL VS RPM BY MISSION SEG DESCNT, BY RATE OF CLIMB -300, BY DAT 40  LESS 10 20 30 40 50 60 70 80 90 100 110 120 SUM  ATMINUTES FOR TCRQUEL VS RPM BY MISSION SEG DESCNT, BY RATE OF CLIMB -300, BY DAT 40  LESS 10 20 30 40 50 60 70 80 90 100 110 120 SUM  LESS 10 20 30 40 50 60 70 80 90 100 110 120 SUM  LESS 10 20 30 40 50 60 70 80 90 100 110 120 SUM  LESS 10 20 30 40 50 60 70 80 90 100 110 120 SUM  LESS 10 20 30 40 50 60 70 80 90 100 110 120 SUM  LESS 10 20 30 40 50 60 70 80 90 100 110 120 SUM  LESS 10 20 30 40 50 60 70 80 90 100 110 120 SUM  LESS 10 20 30 40 50 60 70 80 90 100 110 120 SUM  LESS 10 20 30 40 50 60 70 80 90 100 110 120 SUM  LESS 10 20 30 40 50 60 70 80 90 100 110 120 SUM  LESS 10 20 30 40 50 60 70 80 90 100 110 120 SUM  LESS 10 20 30 40 50 60 70 80 90 100 110 120 SUM  LESS 10 20 30 40 50 60 70 80 90 100 110 120 SUM	200				0.1										0.1
MINUTES FOR TORQUEL VS RPM BY MISSION SEG DESCNT, BY RATE OF CLIMB -600, BY DAT SUM  LESS 10 20 30 40 50 60 70 80 90 100 110 120 SUM  T.T.  180 26.3 22.2 42.6 73.2 52.5 12.2 1.6 1.2 0.1  180 26.3 22.2 42.6 73.2 52.5 12.2 1.6 0.2  190 7.5 16.1 23.6 52.3 32.9 7.3 1.5 0.5 0.1  191 7.5 16.1 23.6 52.3 32.9 7.3 1.5 0.5 0.1  192 200  205  SUM 60.5 92.3 162.1 276.6 181.3 39.3 9.6 4.6 0.9  MINUTES FOR TORQUEZ VS RPM BY MISSION SEG DESCNT, BY RATE OF CLIMB -600 , BY DAT SUM  LESS 10 20 30 40 50 60 70 80 90 100 110 120 SUM  LESS 1.4 2.7 1.3 0.9 1.2 0.2  185 39.6 51.4 51.8 51.2 55.3 30.5 11.0 2.0 0.3  185 39.6 73.6 124.7 119.6 69.4 12.0 3.1 1.6 0.2  185 39.6 37.6 13.4 58.9 27.9  SUM B7.5 129.9 209.2 235.2 129.0 28.3 5.7 1.9 0.4  MINUTES FOR TORQUE; VS RPM BY MISSION SEG DESCNT, BY RATE OF CLIMB -300, BY DAT 40  LESS 10 20 30 49 50 60 70 80 90 100 110 120 SUM  T.T.  MINUTES FOR TORQUE; VS RPM BY MISSION SEG DESCNT, BY RATE OF CLIMB -300, BY DAT 40  LESS 10 20 30 49 50 60 70 80 90 100 110 120 SUM  T.T.  MINUTES FOR TORQUE; VS RPM BY MISSION SEG DESCNT, BY RATE OF CLIMB -300, BY DAT 40  LESS 10 20 30 49 50 60 70 80 90 100 110 120 SUM  LESS 10 20 30 49 50 60 70 80 90 100 110 120 SUM  LESS 10 20 30 49 50 60 70 80 90 100 110 120 SUM  LESS 10 20 30 49 50 60 70 80 90 100 110 120 SUM  LESS 10 20 30 49 50 60 70 80 90 100 110 120 SUM  LESS 10 20 30 49 50 60 70 80 90 100 110 120 SUM  LESS 10 20 30 49 50 60 70 80 90 100 110 120 SUM  LESS 10 20 30 49 50 60 70 80 90 100 110 120 SUM  LESS 10 20 30 49 50 60 70 80 90 100 110 120 SUM  LESS 10 20 30 49 50 60 70 80 90 100 110 120 SUM		15.6	18.5	22.8	24.2	9.4	3.4	i.e	0.5	0.0					96.1
LESS 10 20 30 40 50 60 70 80 90 100 110 120 SUM T.77 180 26-3 22-2 42-6 73-2 52-5 12-2 1.6 1.2 0.1 180 26-3 22-2 42-6 73-2 52-5 12-2 1.6 1.2 0.1 180 26-3 22-2 42-6 73-2 52-5 12-2 1.6 1.2 0.1 180 26-3 22-2 42-6 73-2 52-5 12-2 1.6 1.2 0.1 180 7-5 16-1 23-8 52-3 32-9 7.3 1.5 0.5 0.1 444-6 190 7-5 16-1 23-8 52-3 32-9 7.3 1.5 0.5 0.1 141-8 195 0.4 0.4 0.2 12-8  MINUTES FOR TORQUEZ VS RPH BY MISSION SEG DESCNT, BY RATE OF CLIMB -600 , BY DAT SUM  LESS 10 20 30 40 50 60 70 80 90 100 110 120 SUM 180 38-1 43-8 51-2 55-3 30.5 11.0 2.0 0.3 232-2 185 39-8 73-8 12-7 119-8 69-4 12-0 3.1 1.6 0.2 444-4 190 8-3 9-6 31-4 58-9 27-9 5-1 0.5 0.2 141-8 195 0.1 0.6 0.3 27-9 5-1 0.5 0.2 141-8 195 0.1 0.6 0.3 27-9 5-1 0.5 0.2 444-4 190 8-3 9-6 31-4 58-9 27-9 5-1 0.5 0.2 141-8 195 0.1 0.6 0.3 27-9 5-1 0.5 0.2 444-4 190 8-3 9-6 31-4 58-9 27-9 5-1 0.5 0.2 444-4 190 8-3 9-6 31-4 58-9 27-9 5-1 0.5 0.2 444-4 190 8-3 9-6 31-4 58-9 27-9 5-1 0.5 0.2 444-4 190 8-3 9-6 31-4 58-9 27-9 5-1 0.5 0.2 444-4 190 8-3 9-6 31-4 58-9 27-9 5-1 0.5 0.2 5-1 141-8 195 0.1 0.6 0.3 27-9 5-1 0.5 0.2 5-1 141-8 195 0.1 0.6 0.3 27-9 5-1 0.5 0.2 5-1 141-8 195 0.1 0.5 0.3 27-9 5-1 0.5 0.2 5-1 141-8 195 0.1 0.5 0.3 27-9 5-1 0.5 0.2 5-1 141-8 195 0.1 0.5 0.3 27-9 5-1 0.5 0.2 5-1 141-8 195 0.1 0.5 0.3 27-9 5-1 0.5 0.2 5-1 141-8 195 0.1 0.5 0.3 27-9 5-1 0.5 0.2 5-1 141-8 195 0.1 0.5 0.3 27-9 5-1 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5															
LESS 2-6 0.9 2.1 1.4 0.2 7.7 1.8 0.2 7.7 1.8 1.2 0.1 2.2 1.8 1.2 0.1 2.2 1.8 1.2 0.1 2.2 1.8 1.2 0.1 2.2 1.8 1.2 0.1 2.2 1.8 1.2 0.1 2.2 1.8 1.2 0.1 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0		MINUTES	FOR TGE	QUEL VS	RPM BY	MISSION	SEG	DESCNT,	BY RATE	OF CLIMB	-600	BY	DAT	SUM	
180 26-3 22.2 42.6 73.2 52.5 12.2 1.8 1.2 0.1 232.2 1.8 1.2 1.8 1.2 0.1 232.2 1.8 1.8 1.8 1.9 1.9 1.9 1.9 1.8 1.9 1.9 1.9 1.8 1.9 1.9 1.9 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0				20					70	80	90	100	110	120	
MINUTES FOR TORQUEZ VS RPM BY MISSION SEG DESCNT, BY RATE OF CLIMB -600 , BY OAT SUM   S				42.4											
190 7.5 16-1 23.8 52.3 32.9 7.3 1.5 0.5 0.1 141.8 1.0 200 205 5UM 60.5 92.3 162.1 276.6 181.3 39.3 9.6 4.6 0.9 827.2 827															
11.0 200 205 SUM 50.5 92.3 162.1 276.6 181.3 39.3 9.6 4.6 0.9  MINUTES FOR TORQUEZ VS RPM BY MISSION SEG DESCNT, BY RATE OF CLIMB -600 , BY OAT SUM  LESS 10 20 30 40 50 60 70 80 90 100 110 120 SUM LESS 1.4 2.7 1.3 0.9 1.2 0.2 185 39.8 73.8 124.7 119.8 69.4 12.0 3.1 1.6 0.2 232.2 185 39.8 73.8 124.7 119.8 69.4 12.0 3.1 1.6 0.2 444.4 190 8.3 9.6 31.4 56.9 27.9 5.1 0.5 0.2 141.0 200 205 SUM 87.5 129.9 209.2 235.2 129.0 28.3 5.7 1.9 0.4 827.2  MINUTES FOR TORQUEL VS RPM BY MISSION SEG DESCNT, BY RATE OF CLIMB -300, BY OAT 40  LESS 10 20 30 40 50 60 70 80 90 100 110 120 SUM LESS 180 0.6 1.4 2 2.4															
SUM 50.5 92.3 162.1 276.6 181.3 39.3 9.6 4.6 0.9 827.2  HINUTES FOR TORQUEZ VS RPM BY HISSIDM SEG DESCNT, BY RATE OF CLIMB -600 , BY DAT SUM  LESS 10 20 30 40 50 60 70 80 90 100 110 120 SUM  LESS 1.4 2.7 1.3 0.9 1.2 0.2 185 39.8 73.8 124.7 119.8 69.4 12.0 3.1 1.6 0.2 185 39.8 73.8 124.7 119.8 69.4 12.0 3.1 1.6 0.2 190 8.3 9.6 31.4 58.9 27.9 5.1 0.5 0.2 141.8 195 0.1 0.6 0.3 200 205 SUM 87.5 129.9 209.2 235.2 129.0 28.3 5.7 1.9 0.4 827.2  HINUTES FOR TORQUEL VS RPM BY MISSION SEG DESCNT, BY RATE OF CLIMB -300, BY DAT 40  LESS 10 20 30 40 50 60 70 80 90 100 110 120 SUM  LESS 180 0.6 1.9 2.4	200			0.4	0.4	0.2									
LESS 10 20 30 40 50 60 70 80 90 100 110 120 SUM LESS 1.4 2.7 1.3 0.9 1.7 0.2 180 38.1 43.8 51.2 55.3 30.5 11.0 2.0 0.3 185 39.8 73.8 124.7 119.8 69.4 12.0 3.1 1.6 0.2 190 8.3 9.6 31.4 58.9 27.9 5.1 0.5 0.2 444.4 195 0.1 0.6 0.3 200 205 SUM 87.5 129.9 209.2 235.2 129.7 28.3 5.7 1.9 0.4 827.2  MINUTES FOR TCRQUEL VS RPM 8V MISSION SEG DESCNT, 8V RATE OF CLIM8 -300, 8V OAT 40 LESS 10 20 30 40 50 60 70 80 90 100 110 120 SUM LESS 180 0.6 1.9 2.4 185 0.6 1.9 2.4 2.4 2.4 2.4 2.5 2.6 2.6 2.6 2.7 2.7 2.7 2.7 2.7 2.7 2.7 2.7 2.7 2.7			92.3	162.1	276.6	181.3	39.3	9.6	4.6	0.9					027.2
LESS 1.4 2.7 1.3 0.9 1.2 0.2 7 1.3 0.9 1.7 0.2 7.7 180 38.1 43.8 51.2 55.3 30.5 11.0 2.0 0.3 232.2 185 39.8 73.8 124.7 119.8 69.4 12.0 3.1 1.6 0.2 444.4 190 8.3 9.6 31.4 58.9 27.9 5.1 0.5 0.2 141.8 195 0.1 0.6 0.3 1.0 0.5 0.2 141.8 1.0 0.2 141.8 1.0 0.2 0.1 0.6 0.3 1.0 0.5 0.3 1.0 0.5 0.2 141.8 1.0 0.2 141.8 1.0 0.2 141.8 1.0 0.2 0.1 0.6 0.3 1.0 0.5 0.3 1.0 0.5 0.2 141.8 1.0 0.2 0.1 0.6 0.3 1.0 0.5 0.3 1.0 0.5 0.2 141.8 1.0 0.4 141.8 1.0 0.2 141.8 1.0 0.4 141.8 1.0 0.4 141.8 141.		MINUTES	FOR TOP	QUE2 VS	RPM BY	MISSID4	SEG	DESCNT,	BY RATE	OF CLIMB	-600	, 87	OAT	SUM	
180 38.1 43.8 51.2 55.3 30.5 11.0 2.0 0.3  185 39.8 73.8 124.7 119.8 69.4 12.0 3.1 1.6 0.2 444.4  190 8.3 9.6 31.4 58.9 27.9 5.1 0.5 0.2 141.0  200 205  SUM 87.5 129.9 209.2 235.2 129.7 28.3 5.7 1.9 0.4 827.2  MINUTES FOR TCRQUE: VS RPM 8Y MISSION SEG DESCNT, 8Y RATE OF CLIM8 -300, 8Y OAT 40  LESS 10 20 30 40 50 60 70 80 90 100 110 120 SUM  LESS 180 0.6 1.9 2.4  185 190 190 195 200 200 205 200 200 205 200 200									70		90	100	110	120	SUM
185 39.8 73.8 124.7 119.8 69.4 12.0 3.1 1.6 0.2 444.4 190 8.3 9.6 31.4 58.9 27.9 5.1 0.5 0.2 195 0.1 0.6 0.3 200 205 SUM 87.5 129.9 209.2 235.2 129.0 28.3 5.7 1.9 0.4  HINUTES FOR TORQUE: VS RPM BY MISSION SEG DESCNT, BY RATE OF CLIMB -300, BY OAT 40  LESS 10 20 30 40 50 60 70 80 90 100 110 120 SUM LESS 180 0.6 1.9 2.4 185 190 195 200 205															
190 8.3 9.6 31.4 58.9 27.9 5.1 0.5 0.2 141.8 195 0.1 0.6 0.3 1.0 200 205 205 200 200										0.2					
195															
205 SUM 87.5 129.9 209.2 235.2 129.7 28.3 5.7 1.9 0.4 827.2 HINUTES FOR TORQUEL VS RPM BY MISSION SEG DESCNT. BY RATE OF CLIMB -300. BY OAT 40  LESS 10 20 30 40 50 60 70 80 90 100 110 120 SUM  LESS 180 0.6 1.9 2.4  185 190 195 200 205			0.1	0.6	0.3										
SUM 87.5 129.9 209.2 235.2 129.0 28.3 5.7 1.9 0.4 827.2  HINUTES FOR TORQUEL VS RPM BY HISSION SEG DESCNT, BY RATE OF CLIMB -300. BY OAT 40  LESS 10 20 30 40 50 60 70 80 90 100 110 120 SUM  LESS 180 0.6 1.9 2.4  185 190 195 200 205															
LESS 10 20 30 40 50 60 70 80 90 100 110 120 SUM LESS 180 0.6 1.9 2.4 185 190 195 200 205			129.9	209.2	235.2	129.0	28.3	5.7	1.9	0.4					827.2
LESS 180 0.6 1.9 2.4 185 190 195 200 205		MINUTES	FOR TO	RQUEL VS	RPM BY	MISSION	SEG	DESCNT,	BY RATE	OF CLIMB	-300,	. 84	OAT	40	
LESS 180 0.6 1.9 2.4 185 190 195 200 205		LESS	10	20	30	40	50	60	70	80	90	100	110	120	SUM
185 190 195 200 205				_	-					14.5	7.5	•			
A	185 190 195 200				0.6	1.9									2.4
					0.6	1 . ĉ									2.4

TABLE VIII - Continued

	MINUTES	FOR	TOROL	JEL VS	-	MISS 104	SEG	DESCHT.	8 Y	RATE	OF	CLIMB	-300		8Y 04	C+ T	
	LESS		10	20	30	40	50	0 60		70		80	90	100	11	0 120	SUM
LESS 180 185 190 195 200	) 				1.9	0.5											2.4
205 SUM					1.9	0.5											2.4
	MINUTES	FOR	TCRQ	IE1 VS	RPM BY	MISSION	SEG	DESCHT.	84	RATE	OF	CLIMB	-300	. 61	Y DAT	50	
	LESS		10	20	30	41	50	60		70		80	90	100	11	0 120	SUM
LESS					0.2												0.2
180			.5	3.2	8.6	8.5											20.8
190 195 200 205			.i	3.3	3.8												7.2
SUM		0	. 9	7.9	16.7	8.5											34.0
	MINUTES	FOR 1	TCRQJ	E2 VS	RPM BY	#15510 <b>4</b>	SEG	DESCNT.	87	RATE	OF	CLIMB	-300		Y DAT	T 50	
	LESS	1	LO	20	30	43	50	60		70		80	90	100	110	120	SUM
LESS					0.2			150		1.					•••		0.2
180		٥.	. 1	3.9	9.7	8.5 1.0	1.5	i									20.6
190 195 200 205				6.9	0.3												5.8 7.2
SUF		0.	1	11.8	11.2	9.4	1.5	i									34.0
	MINUTES	FOR '	TCRQU	ET A2	RPM BY	MISS ION	SEG	DESCNT,	84	RATE	OF	CLIMB	-300	. 81	DAT	60	
	LESS	1	10	20	30	40	50	60		70		80	90	100	11	0 120	SUM
LESS	12		. 6	3.1	0.1	14.0	3.0	0.4									0.8
180	6.5	10		12.5	16.1 25.6	14.9	5.6			0.1							64.1
190	1.2		. 3	5.5	28.7	7.6	2.6										46.9
195																	
205																	
SUP	9.6	22.	. 2	39.6	70.5	37.4	11.4	5.3		0.1							196.3
	MINUTES	FOR 1	rcequ	E2 VS	<b>RP4 8Y</b>	MISSION	SEG	DESCNT,	87	RATE	OF	CLIMB	-300	, 8	Y OAT	T 60	
	LESS	,	. 0	20	30	40	50	60		70		60	90	100	110	0 120	e
LESS				3.2	0.5	0.1	,0			, 0		30	70	.00	110	120	SUM 0.8
190	4.1	12.		13.8	14.8	10.7	3.1										64.1
195	0.2	6.		33.7 5.0	22.9 19.3	18.7	3.6										84.5
195 200 205	•••			,,,		200	J. 1										70.7
SUM	5.7	19.		54.9	57.5	50.3	7.6	0.5									105.3

1	MINUTES	FOR TOR	SA Tarb	RPM BY	MISSION	SEG	DESC'IT,	84	RATE	OF CLIMB	-300	84	DAT	70	
	LESS	10	29	30	40	50	6 C		70	80	90	100	110	120	SUM
LESS	0.7	0.6			1.4										2.7
180	12.8	4.9	15.5	16.3	18.1	5.9			0.3	0.2					74.9
185	12.4	13.4	31.1	76.7	85.8	23.5	5.4		0.8						248.9
190	2.0	0.7	7.3	19.4	21.7	21.2	6.4		0.9						78.8
195	0.1		3.1	0.5	0.4										1.1
200															
205															
SUM	28.0	19.6	53.9	112.9	126.4	50.6	12.5		2.0	0.2					406.6
30-	20.0	17.0	,,,,,	142.7	12000	,0.0			2.0						
ļ	MINUTES	FOR TOP	QJE2 VS	RPM BY	MISS ION	SEG	DESCNT,	84	RATE	OF CLIMB	-300	, BY	CAT	70	
	LESS	13	20	30	40	50	60		70	80	90	100	110	120	SUM
LESS	0.5	0.3	0.4	0.4	1.2		•		. •		. •		•••		2.7
180	12.0	14.9	11.9	13.7	17.6	3.6	1.1		0.1						74.9
185	6.1	16.8	55.7	76.5	66.8	25.9			0.0						248.9
				23.4	27.9	13.2			0.0						78.8
190	0.5	2.3	10.6			13.2	0.7								
195		0.1	0.4	0.2	0.4										1.1
200															
205									_						
SUP	19.1	34.4	76.9	114.1	114.0	42.7	3.1		0.2						406.6
	MINUTES	FOR TO	ROJE: VS	RPM BY	MISS ION	SEG	DESCNT.	BY	RATE	OF CLIMB	-300	. 87	DAT	90	
								-					•		
	LESS	10	20	30	40	50	60		70	80	90	100	110	120	SUM
LESS		• •		0.2	0.3	0.			. •						1.0
180		4.6	5.5	21.8	22.1	3.			0.4						61.2
185			21.9	56.2	45.3	14.			3.2	0.4	0.1				181.5
			4.5							0.4	- • 4				
190		2.1		12.9	12.5	5.9	2.3		1.6						43.6
195			0.2	0.1	0.1										0.4
200															
205															
SUP	14.6	22.1	40.1	91.2	80.3	24.1	9.8		5.3	0.4	0.1				287.9
	MINUTES	FOR TOP	QJE2 VS	RPH BY	MISSION	SEG	DESCNT,	5 Y	RATE	OF CLIMB	-300	. 87	DAT	80	
	1		20	30	4.0				70	• •	0.0	100	110	1 30	e
	LESS	10	20	30	4 C	50			10	90	90	100	110	120	SUM
LESS		_	0.2	0.2	0.1		0.5								1.0
180		7.4	12	18.7	14.3	3.9									61.2
165	15.6	24.6	34.0	44.6	43.9	14.6			0.6						181.5
190	3.1	2.8	5.5	15.0	10.7	2.9									43.8
195	0.1		0.1	0.1		0.1									0.4
200															
205															
SUP	23.4	34.9	51.1	78.5	69.5	21.5	i i.e		0.6						287.9
	-														
	<b>41</b> W.1766	Ens to	O.E. VE	00M 02	H18610"	cer	DESCUY			OF CLIMB	_344	<b>.</b>	047		
	4 40163	- 35 106	ANE! A7	AFH 01	4123104	350	0030411	01	~# I E	OF CLIEB	-300,	BY	DAT	90	
	LESS	10	20	30	40	50	60		70	80	90	100	110	120	SUM
LESS		0.3	- 5	,,,	40	,0	90		, 0	00	70	100	110	120	
180		3.7	3 4	4 4		4 3			0 3						0.3
	1.1		3.6	6.6	8.7	4.3			0.2	0.1					29.8
185	4.9	8.2	11.1	22.9	21.4	16.2			0.9	0.6					89.3
7 4 C	0.3	1.4	3.1	1.4	4.1	0.3	0.5								11.2
195		0.0	3.4		0.1										0.5
200															
205															
SUP	4.3	13.7	10.2	30.9	34	20.9	7.1		1.1	0.7					121 .
-0.	****				2443	,									131.1

	MINUTES	FOR TO	SV SELPR	RPM BY	M155104	SEG	DESCHT,	BY	RATE	OF CLIMB	-300	. 61	DAT	90	
LESS	LESS	10	20	30	40	50	60		70	80	90	100	110	120	SUM 0.3
180				31.0	2.6	1.4			0.1	0.2					29.8
190	1.4			2.8	0.9	0.6			•••	0.2					11.2
195				0.4											0.5
205 SUP		18.2	29.1	40.3	19.5	6.3	2.6		1.4	0.2					131.1
30,				40.3	• • • • • • • • • • • • • • • • • • • •	0.5			•••						131.1
•	HINUTES	FOR TOP	RQUEL VS	RPM BY	MISSION	SEG D	DESCRT.	BY R	ATE	OF CLIMB	-300,	BY	DAT	SUM	
	LESS	10	20	30	40	50	60		70	80	90	100	110	120	SUM
LESS	23.0	24.3	40.2	70.1	74.2	0.5	3.8	,	. 0	0.3					5.0
185	27.3	46.9	95.3	185.5	167.5	60.0	21.5		.0	1.0	0.1				253.3
190	5.4	5.7	23.6	66.2	45.1	30.0	9.3	2	.5						187.9
195 200	0.1	0.0	J.7	0.6	0.6										2.1
205 SUP	56.5	78.4	159.9	122.9	289.7	136.9	34.6		3.5	1.3	0.1				1058.3
•••	,,,,		23.4.	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			34.0			***	V+ L				[076.3
•	41 NUTES	FOR TOP	RQUE 2 VS	RPM BY	#155104	SEG C	escut.	HY 9	ATE	OF CLIMB	-300	, BY	OAT	SUM	
	LESS	10	20	٥٥ .	47	50	60		70	90	90	100	110	120	SUM
LESS	0.5 24.8	0.3 42.1	1.1 5J.H	1.2	1.6	13.5	0.5 2.2	•	. 2						5.0 253.3
185	30.9	57.9	146	175.9	146.3	48.4	6.5		.9	0.2					610.1
190	5.3	6.9	31.7	60.5	60.3	17.6	5.3								147.9
195	0.2	0.1	J.5	0.7	0.4	0.1									2.1
205															
SUP	61.7	107.3	225.7	303.5	263.	79.6	14.5	2	2.1	0.2					1058.3
													•		
•	MINUTES	FOR TO	RQUE. VS	RPM BY	MISS 104		DESCNT,	8Y 9		OF CLIMB	300,		TAC	50	
LESS	LÉSS	10	20	30	47	50	60		70	80	90	100	110	120	SUM
180		0.1	1.1		0.1										0.2
190		•••	J.1	0.1											0.2
193															
205															
3'UP		0.1	3.2	0.1	0.1										0.5
	41 NU1 E S	FOR TO	SA THE	RPM BY	4155104	SEG 0	ESCUT.	BY R	ATE	OF CLIMB	300	. BY	OAT	50	
	LESS	٠0	20	30	40	50	60		70	80	90	100	110	120	SUM
180				0.1	0.:										0.2
485				0.1											0.1
1+0				0.1	0.1										0.2
500															
275				0.3	0.3										0.5
500		•		0.3	٠.٠										0.5

	MINUTES	FOR TO	RQJE: VS	RPM BY	MISSION	SEG	DESCHT,	34	RATE	OF	CLIMB	300	, RY	OAT	60	
LESS	LESS	10	20	30	40	50	60		70		90	90	100	110	120	SUM
180	U.4	0.1		0.2	0.3	0.1										1.2
185		0.1		0.9	0.3	0.4	· 0.2									3.4 1.5
195 200																
205 SUP		0.9	1.5	1.6	0.9	0.5	5 0.2									6.1
	MINUTES	FOR TO	RQUEZ VS	RPM BY	MISSION	SEG	DESCHT.	8 Y	RATE	0F	CL 148	300	. 87	OAT	60	
	LESS	10	20	30	40	50			70		80	90	100	110	120	SUM
LESS 180	0.2	0.1	J.5	0.2	0.1	0.1					••			•••		1.2
185		0.5	4.1	0.0	0.3	0.6										3.4
190 195	0.1		J.2	0.9	7.4											1.5
200 205																
SUP	0.3	0.6	1.5	1.8	0.7	0.7	0.2									6.1
	MI NUTES	FOR TO	ROJEL VS	RPM BY	MISSION	SEG	DESCHT.	BY	RATE	UF	CLIMB	300,	BY	DAT	70	
LESS	LESS	10	20	30	40	50	60		70		80	90	100	110	120	SUM
180	0.2	0.2	0.1	0.5	1.4	0.3										2.7
185 190		0.3	i.4 0.3	3.3 1.1	1.6	0.6			0.1							7.7 3.9
195 200					0.1											0.1
205 SUP		0.8	2.3	5.0	4.0	1.1	0.7		0.1							14.4
30,	0.4	•••	,	,,,,	4.0	•••			•••							
	MEMITEC	EOR TO	00 IE 2 VS	DOM BY	MISSION	SEG	DESCRT.	RV	BATE	ne	C1 148	300	. 87	OAT	. 70	
	•		20	30	40	50		٠.	70	•	80	90	100	110	120	SUM
LESS		10							,,		•0	70	100	110	120	
180 185		0.4	2.1	2.4	0.6 1.3	0.4										2.7 7.7
190		0.1	1.0	1.0	1.4	0.3	0.1									3.9
200																
\$U#		1.3	3.3	4.0	3.4	1.3	0.4									14.4
	MINUTES	FOR TO	RQUEL VS	RPM BY	MISSION	SEG	DESCAT.	84	RATE	ŋF	CLIMB	300	ВУ	DAT	00	
	LESS	10	20	30	41	50	60		70		80	90	100	110	120	SUM
LESS 180		0.2		0.7	1.4	0.1										2.7
185		0.4		3.1	0.4	0.5			0.4		0.1					2.9
195			5.0			٠. د										
200									0.1							0.1
205 SUP		0.7	2.2	4.4	4.	1.2	2 ).8		0.5		0.1					14.5

	MINUTES	FOR TO	RQJE2 VS	2P4 8Y	VC1 221 P	SEG	DESCNT.	84	RATE	OF	CLIMB	300	, 81	OAT	50	
	LESS	10	20	30	40	50	60		70		80	90	100	110	120	SUM
LESS		0.5	3.7	0.9	0.3	0.1										2.7
185				2.2	2.0	1.1			0.2							8.8
190		0.1		0.0	0.7	0.5	0.2									2.9
195									0.1							0.1
200																
SUP		1.3	2.1	3.9	3.0	1.7	0.7		0.3							14.5
	MI NUTES	FOR TO	RQJEL VS	APM BY	M15510V	SEG	DESCNT,	ву	RATE	0F	CLIMB	300	, ву	OAT	90	
	LESS	10	20	30	40	50	60		70		80	90	100	110	120	SUM
LESS			U.2	0.3	1.2	0.2						-	•••	•••		
185			3.8	1.5	1.2	1.0			0.0							1.8
190			0.2	0.1	0.6		0.1		•••							1.1
195 200 205																
SUP	0.1		1.2	1.8	2.8	1.3	0.5		0.0							7.8
						•										
									•							
	MINUTES	FOR TC	RQUEZ VS	RPM SY	HISS ION	SEG	DESCNT.	BY	RATE	OF	CLIMB	300	. 84	OAT	90	
	LESS	10	20	30	40	50	60		70		80	90	100	110	120	SUM
LESS		0.1	0.4	0.0	0.3	0.5										1.8
185	0.7	0.4	3.3	1.1	1.2	0.9	0.3									4.9
190		0.2	3.3	0.3	0.1	0.1	0.1									1.1
200																
205																
SUM	1.2	0.7	1.0	1.4	1.5	1.4	0.4									7.8
	MINUTES	FOR TC	RQUEL VS	RPM BY	PC1 221M	SEG	DESCNT.	ВУ	RATE	OF	CLIMB	300,	87	OAT	SUM	
	LESS	10	20	30	40	50	60		70		80	90	100	110	120	SUM
LESS									. •			~				
180	0.6	0.5	3.8	1.7	5.4	0.7			0.4	,	0.1					8.6
185	0.4	0.5	4.3	8.8	2.2	2.6	1.4 0.8		0.1	`	J . I					24.9
195	•••	•••	,	•••	0.1	•••	•••		0.1							0.2
200																
205			• •						^ 4	,	• •					
SUP	1.5	2.5	7.4	12.9	11.7	4.1	2.2		0.6	,	0.1					43.2
	HINUTES	FOR TCF	SA 23FB	RPM_BY	4155104	SEG	DESCUT.	9Y :	2145	G.E	CLIMB	300	, BY	DAT	SUM	
	LESS	10	20	30	4.7	50	6 C		70		93	90	100	110	120	SUM
LESS	4.3	1.1	1.7	1.9	1.3	1.1										8.6
195	1.9	2.4	4.4	6.6	4, 3	3.2	1.3	(	0.2							24.9
130	0.3	0.4	2.0	2.7	2.4	0.9	7.4									9.5
195					0.1			(	0.1							0.2
200																
205 SUP	3.6	3.9	3.3	11.4	8.9	5.2	1.7	(	3.3							43.2

	MINUTES	FOR	TCRO	JEL VS	RPM BY	MISSION	SEG	DESC'IT.	8 Y	RATE	OF	CLIMB	600	. BY	DAT	50	
	LESS		10	20	30	40	50	60		70		80	90	100	110	120	SUM
LESS 180 185 190				J.1	0.1												0.1
200 205 SUM				0.1	0.1												3.2
	MIMITES	FOR	TORO	IE2 VS		MISSION	SEG	DESCRITA	RY	RATE	ne	CLIMA	600	. 87	DAT	50	
	LėSS		10	20	30	45	50		•	70	•	80	90	100	110	120	SUM
LESS			10	23		•	,	, 50		,,,			70	100	110	120	
180 185 190 195 200				J.1	0.1												0.1
205 SUP				J.1	0.1												0.2
	MINUTES	FOR	TGRQ	JEL VS	RPM BY	M155104	SEG	DESCNT.	вч	RATE	OF	CLIMB	600,	87	DAT	60	
	LESS		10	20	30	40	50	60		70		80	90	100	110	120	SUM
LESS 180				J.1	0.2	0.1											0.3
185 190 195 200 205				J.2													0.2
SUP				3.3	0.2	0.0											0.5
	MINUTES	FOR	TORQU	E2 VS	RPM BY	MISSION	SEG	DESCHT,	BY	RATE	0F	CLIMB	600	, BY	OAT	60	
	LESS		10	20	30	40	50	60		70		80	90	100	110	120	SUM
LESS 180 185 190 195 200		o	.1	3.3	0.2												0.3
205 SUP		0	.1	0.3	0.2												0.5
,	Saturie	FOR	TCRQJ	El VS	RPM BY	MISSION	SEG	DESCNT.	BY	RATE	OF	CLIMB	600,	BY	TAC	70	
	LESS		10	20	30	40	50	60		70		80	90	100	110	120	SUM
180		0	.1	J.3	0.1	0.2	0.0	0.1		0.1							0.9
185 190 195 200 205	0.1			0.2	0.2	د ۵۰	0.2	0.2									0.7
SUM	0.1	0	.1	J.5	0.4	0.5	0.2	0.3		0.1							2.1

	MINUTES	FOR	TCRO	UES A2	RPM BY	MISS 104	SEG	DESCHT,	87	RATE	OF	CLIMB	600	•	87	DAT	70	
	LESS		10	20	30	40	5	D 60		70		80	90	10	0	110	120	SUM
LESS 180			. 2	0.3	0.2	0.1				0.1								0.9
185			. 2	0.3	0.1	0.2				•••								0.7
190 195 200 205				J.1	0.1	0.2	0.1	1										0.5
SUP		C	.4	J.7	0.4	0.4	0.1			0.1								2.1
	MINUTES	FOR	TCR	NET AZ	RPM BY	MISSION	SEG	DESCNT,	8 Y	RATE	0#	CLIMB	600		BY	OAT	80	
LESS	LESS		10	20	30	40	5	0 60	1	70		80	90	10	00	110	120	SUM
100	)				2.1		0.											0.3
199			0.1 0.1	3.2	0.3		0.	1 0.1 0.1										0.8
199	5	,			0.1		٥.			r'								0.3
205 SUP	i	1	0.2	0.2	0.5		0.	3 0.3										1.6
	MINUTES	FOR	TORQ	JE2 VS	RPM BY	MESS 104	SEG	DESCHT.	87	RATE	OF	CLI48	600		BY	OAT	80	
	LESS		10	20	30	40	50	60		70		80	90	100	0	110	120	SUM
LESS 180						0.1	0.0	0.1										0.3
185		0	. 3		0.2	0.1	0.1											0.8
190		0	- 1		0.1			0.1		0.1								0.3
200					0.1					0.1								0.2
205			.4		0.4	0.3	٠.	0.3		0.1								
SUP		v	••		0.4	<b>0.</b> .	0.1	. 0.,		0.1								1.6
	MINUTES	FOR	TCRQ	JEL VS	RPM BY	M155104	S€G	DESCHT,	вч	RATE	OF	CLIMB	630	•	8 Y	DAT	93	
LESS	LESS		10	20	30	40	50	60		70		80	90	10	0	110	120	SUM
160	0.1				0.2	0.4												0.7
185					0.3	0.3		0.1		0.1								0.6
195								0.1		0.1								0.2
200																		
205 SUP	0.1				0.5	0.7		0.1		0.1								1.4
	MINITES	FOR	TORO.	IF. VS	RPM RY	MISSION	SEG	DESCRI.	BY	RATE	OF	CL IMB	60 U		BY	DAT	90	
			10	.)	30	40	50		77	70		80	90	100		110	120	SUM
LESS	LESS		10	.,		4.1				. 0		30	,,,	. 00	•	**0	120	
180	U-1				0.3	0.4	0.4											0.7
190							0.1	0.1										0.2
230																		
205 SUP	0.1				0.4	0.4	0.5	0.1										1.4

	MINUTES	FOR TO	RQJE. VS	RPM BY	MISSIDY	SEG	DESCRT.	87	RATE	OF	CLIMB	600	), BY	DAT	SUM	
	LESS	10	20	30	40	50	60		70		80	90	100	110	120	SUM
LESS		0.1	J.4	0.6	0.6	0.2	. 0.2		0.1							2.3
195		0.1		0.8	0.6	0.1										2.4
195		0.1	•	0.1		0.1			0.1							1.0
200																
SUP		0.3	1.1	1.6	1.2	0.6	0.7		0.2							5.9
													• • •			
	MI AUTES	FOR TO	RQUE2 VS	RPM BY	W122 10A	SEG	DESCAT.	57	RATE	OF	CLIMB	600	, BY	OAT	SUM	
LESS	LESS	10	20	30	40	50	60		70		80	90	100	110	120	SUM
180		0.3		0.8	0.2	0.4	0.1		0.1							2.3
185		0.5		0.4	0.7	0.1	0.1									2.4
195		•••	•••	0.1	-	•••			0.1							0.2
200 205																
SUP	0.1	0.9	1.1	1.4	1.7	0.7	0.4		0.2							5.9
	MINUTES	FOR TO	RQUEL VS	RPH BY	MISS ION	SEG	STEADY,	BY	RATE	OF	CLIMB	-900	. 87	DAT	50	
	LESS	10	20	30	40	50	60		70		80	90	100	110	120	SUM
LESS		•	-										•••	•••		
180				0.1												0.1
190																
200																
205 SUP				0.1												0.1
			RQUEZ VS	RPM BY	W122104	SEG :	STEADY,	84	RATE	OF	CLIME	-900	. 8Y	DAT	. 50	
LESS	LESS	10	20	30	40	50	60		70		80	90	100	110	120	SUM
180																
195			0.1													0.1
195																
205																
SUP			J-1													0.1
1	MINUTES	FOR TC	RQUEL VS	RPM BY	MISSION	SEG S	STEADY,	84	RATE	OF	CLIMB	-900	. 8Y	OAT	60	
	LeSS	10	20	30	4 C	50	60		70		80	90	100	110	120	SUM
LESS			J.1		0.4											0.1
185				0.9	0.2											1.1
190				0.1	0.2											0.3
200																
205 SUF			J.1	1.0	0.9											1.9

	MINUTES	FOR	TCRO	JE2 VS	RPM BY	MISS 104	SEG	STEADY,	84	RATE	OF	CL148	-900	•	BY	CAT	60	
LESS 180 189 190			10	20 3.5	30 0.4 0.5 0.3	40 0•1 0•1	5	0 60		70		80	90	100	)	110	120	SUM 0.1 0.4 1.1 0.3
200 200 500	) i			0.5	1.2	0.2												1.9
	MINUTES	FOR	TCRU	UEI VS	RPM BY	MISS ION	SEG	STEADY.	BY	RATE	0F	CLIMB	-900.	A	٧	OAT	70	
	LeSS		10	20	30	42	5(		_	70		80	90	100		110	120	SIJM
LESS			•	0.2	0.1	0.8						**				•••		1.3
195	0.2		0.3	J.3 J.2	0.6	0.9	0.9			0.2								2.7
205 SUP		1	0.3	3.8	0.9	1.9	0.7	7 0.1		0.2								5.3
	MINUTES	FOR	TORQ	ijez VS	RPM BY	MISSION	SEG	STEADY.	87	RATE	OF	CLIMS	-900	. 1	BY	OAT	70	
	LESS		10	20	30	40	50			70		80	90	100		110	120	SUM
LESS			•	•	0.0	0.3								•		•••		1.3
195 195 200	0.1			0.2	1.0	1.4												2.7
209 SUP				0.4	2.3	2.2												5.3
	MI NUTES	FOR	TORQ	JEi VS	RPM BY	M15510N	SEG	STEADY,	BY	RATE	OF	CLIMB	-900.	8,	٧	GAT	80	
LESS	LESS		10	20	30	40	50	60		70		80	90	100		110	120	SUM
185 190 195 200			8.	0.2	0.2 0.3 0.7	0.5	0.1						0.1					1.0 0.6 0.8
205 SUP				3.2	1.3	0.6	0.2	0.1					0.1					2.5
1	MINUTES	FOR	TCRQJ	IEZ VS	RPM BY	MISSION	SEG	STEADY,	<b>5</b> Y	RATE	ΩF	CL [MB	-900 .	8	٧.	OAT	60	
	LESS		10	20	30	40	50	60		70		90	30	100		110	120	SUM
180 185 190				J.6	0.1	0.7	0.1	0.1			0	•1						1.0 0.6 0.8
195 200 205 SUP				4.4	0.5	0.3	0.1	7.1			0	• ì						2.5

	MINUTES	FOR TC	RQUE. VS	RPM BY	MISS104	SEG	STEADY,	BY R	ATE	OF (	CLIMB	-900.	84	DAT	90	
	LESS	10	20	30	40	50	60		70	'n	80	90	100	110	120	SUM
LESS	}		0.1				0.3	^								0.1
185 190 195 200 205		0.1	U•2	0.3	0.7		0.2	U	. 1							•••
ŠUP		0.1	0.3	0.3	0.?		0.2	0	.1							1.2
	MI WATE C	EOD TO	OUE2 VE	80W AV	MISSIM	550	STEADY,	BV 0	A T E	06 6		-900	. 87	DAT	90	
	LéSS		20	30	40	50			70		10	90	100	110	120	SUM
LESS		•••	•	0.1		-										0.1
185 190 195 200 205			J.1	0.4	0.3	0.2	0.2									1.1
SUP			J.1	0.5	0.2	0.2	0.2									1.2
	MINUTES	FOR TCA	QUEL VS	RPM BY	MISSION	SEG	STEADY.	BY R	ATE I	UF C	L 148	-900•	BY	DAT	SUM	
LESS	LESS	10	20	30	40	50	60	1	70	8	10	90	100	110	120	SUM 0.1
180	0.3	0.4	J.5	0.3	1.7	0.3	0-1	0.	. 3			J. 1				2.9
190 195 200 205			J.2	1.0	0.5	0.6			_							2.4
SUP	U.5	0.4	4	3.6	3.5	0.9	0.4	0.	. 3			0.1				11.0
,							STEADY.					-900		OAT	SUM	
LESS	LESS	10	20	30	49 0.1	50		1	70	8	10	90	100	110	120	SUM 0.1
180 185	0.3		1.6	1.4	0.5		0.1									2.9
130			1.9	2.3	1.8	0.3	J.2			0.	i.					
195 200 205			1.0	2.3	0.5	0.3	J.2			0.	l .					2.4
195 200	0.4					0.3				0.						11.0
195 200 205 SUP			i.0 2.5	4.5	2.9	0.3	0.3			0.	1 .					
195 200 205 SUP	MINUTES		2.5 QUE1 VS	0.8 4.5 RPM BY	0.5	0.3 SEG	0.3			0. OF C	LIMB		ВУ	QAT	43	11.0
195 200 205 SUP		FOR TOR	i.0 2.5	0.8 4.5 RPM BY	2.9	0.3	0.3		TE :	0. OF C	1 .	-600, 90	6Y	OAT 110	43 120	
195 200 205 SUP	MINUTES		2.5 QUE1 VS	0.8 4.5 RPM BY	0.5	0.3 SEG	0.3			0. OF C	LIMB					11.0

TABLE VIII - Continued

	MINUTES	FOR	TOR	OJE. VS	RPM BY	MISSION	SEG	STEADY,	BY	RATE	0F	CLIMB	-600		84	DAT	40	
	LESS		10	20	30	<b>4</b> 0	50	60		70		90	90	10	00	110	120	SUM
180 185 190 195 200 205						0.?												0.2
SIJM						D.2												0.2
	MINUTES	FOR	TOR	QUET A2	Bom BA	MISS 10N	SEG	STEADY,	HY	RATE	() F	CLIMB	-600	•	BY	DAT	50	
LESS 180 185 190 195 200			10	J•2	30 0.5 0.7 0.4	9. 1	50	60		70		60	90	10	10	110	120	SUM 0.5 0.7 0.9
205 SUM				J.2	1.7	7.2												2.1
	MINUTES	FOR	TOR	QUEL VS	RPM 67	MISSION	SEG	STEADY.	84	RATE	OF	CLIMB	-600	٠	87	OAT	50	
LESS 180			10	20	30 0.7	4) 0.5	50	60		70		30	90	10	00	110	120	SUM 0.5 0.7
185 190 195 200 205 SUP				J.4	1.2	0.5												2.1
	MENUTES		***	we ve	88M 8V	MISSION	ter	. TEANY	. V	0 4 7 5	06	CLIMA	-600		94	JAT	60	
									0.4		Ur							G
LESS	LESS		10	23	30	4-1	50	60		70		80	90	10	00	110	120	SUM
180 185 190 195 200			).4	1.6	5.3 10.9 0.9	2.7 3.? 0.7	0.9 1.2 0.3	0.4										9.4 17.7 2.0
205 SUM		٥	.7	3	17.1	6.1	2.4	0.4										24.0
	AI NJES	FOH	TOR	DIEC A2	RPM BY	MISS ION	SEG S	STEADY.	AY	RATE	0F	CLIMA	-600	•	84	DAT	60	
	LESS		10	20	30	40	50	60		70		90	90	10	0	110	120	SUM
LESS				9	4.5	2.4	0.7											9.4
185 190 195 200 205		U	• 2	4.5 J.1	7.2	0.5	1.0											17.7
317		0	. 2	6.4	13.1	7.	1.7											29.0

	MINUTES	FOR TOR	SA TEF	RP4 BY	MISS 134	SEG	STEADY.	44	RATE	OF CLIMB	-600,	87	CAT	70	
LESS	LESS	10	20	30	9.4	50	60		70	80	90	100	110	120	SUM 0.4
180 185 190 195	4.7	0.6	3.5 2.3 0	9.4 18.6 2.5 0.3	6.7	1.4 5.6 1.4	0.9		0.9	0.1					20.1 39.8 7.2 0.3
200 205 SUP		0.6	4.4	30.7	19.'	8.4	1.6		1.0	0.1					67.8
	MINUTES	FOR TCR	QJEZ VS	RP4 8Y	M15510N	SEG	STEADY.	84	RATE	GF CLIMB	-600	, BY	DAT	70	
	LESS	10	20	30	40	50	60		70	cs	90	100	110	120	SUM
LESS 180 185 190 195 200	4.7	0.1	2.3 5.7 1.0	6.3 14.7 2.8	0.4 7.4 10.7 3.2 0.3	2.1 6.8 0.1				0.1					0.4 20.1 39.8 7.2 0.3
205 SUP		0.3	9.2	23.9	21.4	9.0	1.0			0.1					67.8
	MINUATES	cou tear	ve. ve	SDM AV	MISSION	550	FFEARY	<b>a</b> v		05 01 100	-400	87			
										OF CLIMB	-600,		OAT	80	•
LESS	LESS	10	20	30	0.1	50	60		70	80	90	100	110	120	SUM 0.1
180 183 .70 195 200	U.1 U.1		J.2 1.7 0.5	6.9 4.7 0.9	5.1 4.5 0.5	2.2 3.2 0.3	0.5			0.3					14.7 14.7 2.5
205 SUP	0.2		2.4	12.5	10.7	5.7	0.6			0.3					31.9
	MINUTES	FUR TOR	NJE' AZ	RPM BY	M155104	SEG	STEADY,	вч	RATE	OF CLIMB	-600	, 87	OAT	80	
	LESS	10	20	30	43	50	60		70	80	90	100	110	120	SUM
LESS 180 185 190 175 200	U-2 U-1	0.1	3.7 3.2	5.8 2.7 0.4	0.1 6.1 5.1 1.4	2.0 2.2 0.1	0.3		0.3						0.1 14.7 14.7 2.5
205 SUM		0.6	4.4	9.0	12.7	4.3	0.3		0.3						31.9
	MINUTES	FOR TOR	TTET A2	RPM BY	VC 1221P	SEG	STEADY,	ВУ	RATE	OF CL148	-600,	AY	OAT	90	
	LESS	10	20	30	41	50	60		70	80	70	:00	110	120	SUM
LESS 180 185 190 195 200	J.i	0.1	J.2 J.2 J.1	0.3 1.3 0.2	9.4 1.7 2.4	0.0			0.1	0.1					2.1 5.1 0.0 0.1
205 SUP		0.3	٠.٠	1.8	2.4	1.4	0.8		0.3	0.1					8.1

	MINUTES	FOR TOP	OJES A2	RPM BY	H15510N	SEG	STEADY,	84	RATE	OF CLIMB	-600	, BY	OAT	90	
LESS	LESS	10	20	30	40	50	60		70	30	90	100	110	120	SUM
180	1	0.2	J.5	0.4	0.4	0.5			0.1						2.1
185		0.2	3.3 3.2	2.3	1.0 3.1	0.7									5.1
195			3.1	0.5	J. 1	0.2									0.1
200															
SUP		0.4	1.1	3.0	1.5	1.4	0.6		0.1						8.1
											٠				
	MINUTES	FOR TO	OJE1 VS	RPM BY	MISSION	SEG	STEADY,	BY	RATE	UF CLIME	-600	, BY	TAC	SUM	
	LESS	10	20	30	40 0.5	50	60		70	80	90	100	110	120	SUM
180		. 0.5	1.8	0.5 22.8	14.9	4.6	0.5		0.2	0.1					47.2
185	0.2		6.7	35.9	19.4	11.3	2.5		1.0	0.1					78.1
190			1.7	0.3	3.4	2.0	0.4		0.1	0.3					12.4
200	1			***											•
205 SU#		1.7	10.2	64.0	38.2	17.9	3.4		1.3	0.5					139.2
		•••	••••												
	MINUTES	FOR TCR	QUEZ VS	RPH BY	MISSION	SEG	STEADY,	BY	RATE	OF CL148	-600	, 87	DAT	SUM	
	LESS	10	50	30	40	50	60		70	80	90	100	110	120	SUM
LESS 180		0.4	5.1	17.7	1.0	5.3	0.1		0.1	0.1					1.0 47.2
185		1.1	14.8	27.5	21.6	10.7	2.4			•••					78.1
190			1.5 J.1	4.9	5.2	0.4	0.1		0.3						12.4
200			J.1		0,,										0.4
205 SUP		1.5	24	50.1	44.0	16.4	2.7		0.4	0.1					139.2
307	2.0	1.,	2	30.1	****	10.7	2.01		•••	•••					137.2
	MINUTES	FOR TCR	QJE. VS	RPM BY	MISSIDA	SEG	STEADY.	84	RATE	OF CLIMB	-300	87	DAT	40	
	LESS	10	27	30	40	50	60		70	90	90	100	110	120	SUM
LESS				1.4	1.0										3.3
185 190 195 200 205															
SUP				1.4	1.9										3.3
	MIWITES	EOR TCS	oues VS	RPM AV	PO1221H	SEG (	STFADY.	94	RATE	OF CLIMB	-300	, BY	DAT	4)	
	LESS	10	20	30	40	50	60	.,	70	80	90	100	110	120	SUM
LESS	rc32	10	20			,,	00			00	,,	100	110	120	31/11
18C					3 /										3.3
190 195 230 205				0.9	2.4										3.3
195				0.9	2.4										3.3

	MINUTES	FOR TO	RQUEL VS	RPM BY	MISSION	SEG	STEAUY,	BY RATE	0F CL148	-300	, RY	041	50	
LESS 180		10	20	30 3.6 29.5	40 9. 41	50 2.4	•	70	80	90	100	110	120	SUM 3.8 74.4
185 190 195 200 205			19.4	23.1	1.0									7.3
SUP			22.8	61.4	43.0	2.4	•							129.7
	41 YUTES	FOR TC	RQJE2 VS	RPM BY	41551D4	SEG	STEADY.	BY RATE	OF CLIMB	-300	, BY	DAT	50	
	LcSS	10	20	30	40	50	60	70	80	90	100	110	120	SUM
LESS 180		2.9		9.0	1.4	11.3	1							3.8 74.4
185		3.3		10.9	4.2		•							44.3
190 195 200			2.4	3.1	1.0									7.3
205 SUP		6.2	28.3	25.3	54.7	11.3								129.7
	VITUTES	FOR TO	RQJE: VS	RPM BY	MISSION	SEG	STEADY,	STAFE YE	OF CLIMB	-300,	84	GAT	60	
	LcSS	10	20	30	40	50	60	70	90	90	100	110	120	SUM
LESS	38.7	3.8	1.7	11.9	94.7	28.1	4.C	0.5						13.9
195	5.8	10.3	47.9	302.9	186.	69.8		2.3						660.5
190			13.5	131.0	85.3	23.5	1.5							255.3
200			3.0	4.2	1.417									2.1
205			10. 4	419.0	147 3		4 . 5					•		
SUM	44.5	14.1	104.4	612.0	367.7	121.3	40.3	2.8					,	1307.4
	MINUTES	FOR TO	ROUEZ VS	RPM BY	MISSID	SEG	STEADY,	BY RATE	OF CLIMB	-300	. 61	7 O4T	60	
	LeSS	10		30	40	- 50	60	70	80	90	100	110	120	SUM
LESS 180		13.9	2.1	7.2	94.	20 1	7.5							13.9
185		1.0	131.2	220.0	229.	28.1								371.9 660.5
190			34.1	118.9	95.:	6.2								255.3
200				4.8	1.0									5.7
205 SUM		14.9	227.2	478.0	425.2	90.5	25.0							1307.4
	41 JUTES	FOR TC	SA TECHE	RPM BY	M188104	SEG	STEADY,	BY RATE	OF CLIMB	-300	BY	DAT	73	
	LESS	10	20	30	40	50		70	80	90	100	110	120	SUM
LESS			2: 7	2.4	14.0	2.5								16.9
18C		3.3 3.7		98.9 443.2	476.4	61.2		0.4 12.7	0.7 0.9	0.3	1.0			416.2
140 175 200		2.5		133.2	121.	82.7		1.4						361.8
205 SUM		9.5	162.3	696.6	774.9	374.0	58.7	14.5	1.6	0.3	1.0			2130.3

	MINUTES	FOR TCR	QJEZ VS	RPM BY	MISSIO	SEG	STEADY,	87	RATE	OF CLIMB	-300	. BY	DAT	70	
LESS	LESS	10	20	30 1.0	40 8.7	50 9.0			70	80	90	100	110	120	SU4 18.9
180		3.6	52.1	76.2	159.4	65.0	13.9		1.2	0.2	0.7				416.2
190		0.6	25.1	128.3	113.1	107.6	7.C		•••						381.8
200				3.1	7.1	1.7									8.9
205 SUP		8.1	225.7	628.9	701.5	454.9	60.4		2.6	0.2	0.7				2130.3
	MIWITEE	EDA TC0	MEL US	BDM 84	M155101	CEC	CTEAC W		3 4 T C						
								41		UF CLIMB	-300		OAT	8.3	
LESS	LESS	10	20	30	0.4	50 2.2			70	83	90	100	110	120	SUM 2.6
180	7.8	2.0	5.1 24.6	63.5	136.	91.8			2.2	1.9	0.3				252.0
190		0.2	8.5	13.4	14.8	12.5			2.8	0.3	3.1				53.4
195 200				•	1.2										1.2
205 SUP		8.6	36.2	214.4	237.1	187 8	32.9		5.0	2.2	0.4				738.1
30-	7,0	0.0	3012	21014	2374.	10110	32.1		,.0	2.12	0.4				730.1
	MINUTES	FOR TCR	QUEZ VS	RPM BY	W12210	SEG	STEADY,	ВУ	RATE	OF CLIMB	-300	• BY	CAT	80	
LESS	LESS	10	20	30	47	50 2.6	_		70	80	90	100	110	120	SUM 2.6
150		5.4	14.7	47.4	94.1	78.4	7.2								252.0
185	0.6	1.6	75.3 4.9	106.3	18.1	98.3			1.1	0.2					429.0 53.4
195	•••		4.5	0.3	3.7	•••			•••						1.2
200 205															
SUP	1.9	49.5	92.9	168.1	220.0	199.2	35.5		1.4	1.9					738.1
1.	23TUITES	FOR TCR	evale vs	RPM BY	MISSID	SEG :	STEADY.	84	94T=	OF CLIMB	-300.	BY	CAT	90	
	LESS	10	21	30	43	50	60		70	80	90	100	110	120	SUM
LESS				0.2	0.1				0.4	.17.5		•••			0.7
180	J. 2	4.3	1.4	25.4	19.º	6.8 26.8	2.5 H.5		1.4	2.1					57.8
1 10	J. 2	3.3	1.2	8.4	9.7	3.4	4.6		0.2						26.3
200					3.2	1.3									1.5
205		4.4	1 7	99.3	88.ć	38.3	15.9		7.4	2.1					247 4
SUP	J. 8	4.6	10.7	77.3	00.0	,0.,	47.7			2.1					267.8
N	INUTES	FOR TORG	DIE: A2	APM SY	MISSION	SEG S	TEADY.	3 Y 9	ATE	OF CLIMB	-300	, BY	DAT	90	
	LeSS	: )	20	30	40	50	60		70	9.0	90	100	110	120	SUM
LESS	U.3	2.1	7.4	0.2 31.0	11.5	1.8	1.5	C	0.1						0.7 57.8
. 85	Joi	3.4	24.1	79.4	51.0	11.7	10.3		. 2	0.3					181.5
190	0.1	0.1	>.1	9.4	1.5	3.3	3.0								26.3
200					-										
205 50#	J.5	5.6	39.4	119.9	68.5	16.7	16.1	1	. 3	0.3					267.8
							_								

	MINUTES	FOR TO	Y . 3LUR	5 RPM 81	415510	1 SEG	STEADY,	84 84TE	OF CLIMB	-300	, BY	DAT	SUM	
LESS	LESS	10	23	30 18.1	40 15. 1	50 4.7		70	80	90	100	110	120	5U4 39.9
180	84.7		82.5	380.8	403.4	179.8	25.6	2.3	0.7	0.3	1.0			1175.5
185 190				974.0	231.5	415.9		22.6	0.3	0.3 0.1				724.1
195 200			9.6	13.1	2.3	1.3								17.3
205														
SUP	131.9	30.9	33. • 4	1677.2	1513.7	723.0	141.5	29.6	6.0	0.6	1.0			4576.6
•	INUTES	FOR TO	RQUEL VS	RPM BY	MISSION	SEG :	STEADY.	RY RATE	OF CLIMB	-300	. 84	DAT	SUM	
	LESS	10	20	0 ذ	40	50	6C	70	80	90	100	110	120	SUM
LESS	90.7	27 0	2.5	10.7	14.7	11.5	33.1	1.3	0.2	3.7				39.9
185	10.1	24.0	405.7	836.6	80A.3	437.6	91.7	3.7	1.9	9.1				2619.7
190 195	1.6	2.3	75	273.8 8.2	232.4 7.4	127.1	14.6	0.3	0.2					724.1 17.3
200						•••								
205 SUP	132.4	54.2	614.7	1421.1	1476.7	762.6	137.C	5.3	2.3	0.7				4576.6
	HUITES	FOR TO	0.1E: VS	ODM RV	MISSION	SEC S	STEADY.	AV DATE	OF CLIMB	300.	84	TAC	40	
														•
LESS	Less	10	20	30	47	50	60	70	80	90	100	110	120	SUM
180				0.1										0.1
190														
195 200														
205 SUP				0.1										0.1
•••				•••										•••
				22										
•									OF CLIMB	300	, BY	OAT	40	
LESS	LESS	10	20	30	40	50	60	70	80	90	100	110	120	SUM
180					0.1									0.1
145														
195 200														
205														
SUP					0 • t									0.1
N.	I NUTES	FOR TC	RQJE. VS	RPM BY	M155104	SEG S	STEADY,	SY RATE	OF CLIMB	300,	BY	DAT	50	
LE <b>S</b> S	LESS	10	20	30	40	50	60	70	90	90	100	110	120	SUM
180				0.5	0.1									0.7
183			J.3	0.2	0.1									0.9
195														
20C 205														
SUP			0.5	0.7	0.4									1.5

	MINUTES	FOR	TCR	QJEL VS	RP4 84	VCI 221P	SEG S	TEADY.	SY RATE	OF CLIMB	300	, BY	GAT	50	
LESS	LėSS		10	20	30	41	50	60	70	as	40	100	110	120	SUM
180 185 190 195 200				3,4	0.4	0.1 0.1									0.7
205 Su*				<b>0.4</b>	0.7	0.5									1.5
	MINUTES	FOR	TCA	SA 13CD	RPM BY	415510N	SEG S	TEADY,	BY 9415	DF CLIMB	300.	BY	OAT	60	
	LèSS		10	20	30	•• 3	50	60	70	80	90	100	110	120	SUM
LESS		•		V.5	1.9	2.4	0.5								5.8
185 176 200				3.3	8.7 2.7	6.4 0.6	0.4	0.4							17.9 4.0
205 SUP				4.7	13.3	9.4	2.3	0.4							27.8
	MINUTES	FOR	TOR	QUEZ VS	RPH BY	MISSION	SEG S	TEADY,	BY RATE	OF CLIMB	300	, BY	OAT	60	
	LESS		10	20	30	49	50	60	70	80	90	100	110	120	SUM
LESS 180				0.6	3.3	0.9	0.9								5.8
185 190 195 200 205				0.2	10.0	1.1	1.2	9.3							17.9 4.0
SUP	0.3			3.2	16.0	5,7	2.1	0.3							27.8
	MINUTES	FOR	TOR	OJE! AZ	RPM BY	M15510N	SEG S	TEAUY,	HY RATE	GF CLIMB	300,	вч	QAT	70	
	LESS		10	20	30	47	50	é C	70	90	90	100	110	120	SUM
180				0.6	5.4	6.1	1.3		12-21						14.8
185 190	0.1	(	0.1	0.1	15.6	5.3	6.1 2.0	1.5	0.8	0.3					39.6
195 200					0.2										0.2
205 SUP	1.5	Ć	0.1	>.5	25.6	21.7	9.4	3.1	1.1	0.3					58.0
	II YUTES	FOR	TCR	QUEZ VS	RPM BY	MISS ION	SEG S	TEADY.	BY RATE	GF CLIMB	300 ,	ВУ	OAT	70	
	LESS		10	20	30	4)	50	60	70	90	90	100	110	120	SUM
LESS 160	1.2		.1	J. ;	4.3	7. 1	0.9	3.4							14.8
185	0.2	O	. 2	4.6	15.2	11.1	7.3	1.0							39.6
190 195 200 205		0	.1	J.6	5.3 0.1	4.1 0.1	2.0	1.3							13.4
SUP	4.4	0	.4	5.1	24.9	22.	10.2	€							68.0

	41 YU TES	FOR T	CRQUE. VS	RPM BY	MISSION	SEG	STEADY,	BY	RATE	OF CLIMB	300	, BY	DAT	80	
	LESS	10	20	30	40	50	60		70	80	90	100	110	120	SUM
LESS	Jok		J.2	2.8	2.9	1.7	i		0.0						7.7
185	0.1		1	6.0	4.1	1.2	1.2		0.3		0.1				14.1
140			J.1	1.5		0.3	0.1								2.0
200															
205					* 0						2.1				23.9
SUM	J. 2		4	10.3	7.0	3.2	1.3		0.3		7.1				6364
							*****							80	
	41 AU 1 E 2	FUK I	CKANES A2	KPM GY	4 122 IO4	250	SIERUY,	DY	4416	OF CLIMB	300	. 84	DAT	80	
	LESS	1	0 20	30	40	50	60		70	80	90	100	110	120	SUM
LESS			i.0	2.0	3.1	1.4	0.1								7.7
185		0.	4 2.0	5.0	3.7	2.0	9.0		0.1	0.1					14.1
190 195			3.2	1.1	0.2	0.3									2.0
200															
205					7.1	3.6	0.9		0.1	0.1					23.9
SUP	0.2	0.	3.2	8.1	***	3.0	0.9		0.1	0.1					23.4
	MT WITEC	500 T	Parate: ve		M 755 104	cer	CTEADY	D W	0 4 75	OF CLIMS	300	BY	DAT	90	
	41 401E2	FUK II	TWARET A2	HP7 01	- 122 IU1	> 5 6 0	315401,	9 1		Dr CCIMO	300	. 61	UAT	70	
	LESS	10	20	30	40	50	60		70	80	90	100	110	120	SUM
LESS	0.2			0.3	0.7	0.3	0.2		0.3						1.6
185	0.1	0.		2.4	1.7	0.5	0.3		0.2	0					5.4
190		0.1	0.1	0.4	9.0	0.1	J.1		0.1						0.8
200			• • •												•••
205 SUP	0.3	0.4	9.6	3.1	1.5	0.9	0.6		0.6	0.1					8.0
30.	•••	•			••.	•••	•••			•••					•••
,	ALMUTES	FOR TO	ROUEZ VS	-	MISSIN	250	STEADY.	44	BATE	OF CLIMB	300	. BY	OAT	90	
								01		C. 661-10	330	, .,	041	40	
LESS	LESS	10	50	30	40	50	60		70	90	93	100	110	120	SUM
180	0.1	0.2	Ú.2	0.6	0.1	0.2	0.2								1.6
165	0.2	0.2		2.6	1.1	0.1	3.1		9.2	0.1					5.4
190			).2 J.1	0.3	0.1		0.2								0.6
200															•••
205 SUP	0.3	0.4	4.3	3.5	1.2	0.3	0.5		0.2	0.1					8.0
			-		•					• • •					•••
,	INUTES	FOR TO	ROJE. VS		MISSION	SEG	STEADY.	ВУ	RATE	OF CLIMB	300	BY	DAT	SUM	
								-							
LESS	LESS	1:	23	30	4.7	50	60		70	80	90	100	110	120	SUM
190	2.0		4	11.0	12.0	3.8			0.3						30.7
185	J.3	0.4		33.0 9.0	22.3	2.9			1.3	0.4	0.1				78.0
195		0.1	J.1	0.2	7.	2.4	1.1		0.3						20.2
230															7.5
205 SUP	ذ ، ۽	0.5	).9	53.2	40.7	15.8	5.C		2.0	0.4	0.1				129.3
-			. •				,,,,								127.3

	MI YUTES	FOR	TORU	JET AZ	RPM BY	MISSION	SEG	STEADY,	84	RATE	OF CLIM	IB 300	. 84	DAT	SUM	
LESS	LESS		10	20	30	40	50	60		70	80	90	100	110	120	SUM
180 185 190	4.7 0.4 0.1		0.3 0.8 0.1	13.1	10.5 33.2 9.5	11.4 20.0 5.5	3.4 10.7 2.3	2.2		0.3	0.2					30.7 78.0 20.2
195 200 205 SUP			1.2	14.2	53.2	37.7	16.4	4.4		0.3	0.2					129.3
	MINUTES	FOR	TCRO	JEI VS	RPM BY	MESS 10N	SEG	STEADY,	HY	RATE	OF CLIM	8 500,	BY	JAT	40	
LESS	LESS		10	20	0د	43	50	60		70	au	90	100	110	120	SUM
180 185 190 195 200 205					0.1											0.1
ŠUP					0.1											0.1
	MI NUTES	FOR	TORQ	J€∠ VS	RPM BY	MISS 10N	SEG	STEADY.	AY	RATE	OF CLIM	8 600	, BY	JAT	40	
	LESS		10	20	30	<b>4</b> )	50	6C		70	30	40	100	110	120	SUM
LESS 190 185 190 195 200 205						n. (										0.1
SUP						٠.										0.1
	MINUTES	FOH	TCHQ	JE' A2	RPM BY	MESSION	5 5 3	STEADY,	37	RATE	CF CLIM	B 500.	BY	JAT	60	
LESS	LESS		10	23	30	40	50	. 60		70	90	90	100	110	120	SUM
180 195 190 -35 200				7.3	n.6	). ·	0.2									0.2 0.8 1.0 0.2
205 511M				J.5	1.1	0.4	0.2									2.1
	MINUTES	FOR	TCRU	NE: A2	RPM BY	MISSION	SEG	STEADY,	84	RATE	OF CLIME	600	. 84	DAT	60	
LESS	LLSS		10	2.)	30	40	50	60		70	80	90	100	110	120	SIJM
190 190 175				J.2	0.2 0.4 0.8	0.4										0.2 0.8 1.0 0.2
20C 205				1.4	1.4	0.4										2.1

	MINUTES	FOR TC	SA "3FD	RPM BY	MISSIDN	SEG	STEATY,	SY RAT	E OF C	L148 600	D. BY	DAT	70	
LESS	LeSS	10	20	0ذ	45	50	60	70	8	0 90	:00	1:0	120	504
180 185 190 195	0.4		J.4 J.1 J.1	0.5 1.4 0.8	1.3	0.2 0.6 0.2	C -4	0.1						1.2 4.4 1.7 0.1
200 205 Sup	U• 4		۶.5	2.7	2.*	1.0	3.4	0.4						7.6
	MI YUTES	FOR TO	RQUEZ VS	RPM BY	MISSION	SEG	STEAUY.	BY RAT	E OF CI	LIMB 600	) , BY	OAT	70	
	LESS	10	20	30	40	50		70	8	J 90	100	110	120	SUM
LESS 18C 185 19C	0.4		J.2 i.0	0.3 1.8 0.7	0.7 2.5	0.2 0.2 0.6 0.2	0.2	0.1						0.2 1.2 4.4 1.7
195 200			0.1											0.1
205 SUM	J.4		6	2.8	1.7	1.2	3.2	0.1						7.6
					MISSION						,	OAT	80	
LESS	LESS	10	29	30	40	50	60	70	. 0	0 90	100	110	120	SUM
150 185 140 195 200		0.1	Ů∙3 J•1	0.4	0.7 0.3 0.1	0.7			0.0	0.0				0.3 2.1 0.6 0.1
205 SUP		0.1	J.4	0.6	1.3	0.7	,		0.4	0.0				3.2
l,	MIWITES	6 30 TG	ONIE: VS	DOM BY	4155 10V	SEG	STEADY.	QV 947	5 05 CI	LIMB 600	. BY	DAT	80	
	LESS	10	2)	30	40	50		70	80	10 10	100	110	120	SUM
LESS 14C		0.1			0.	,,				,		•••		0.3
195 196 195 200	0.1	•••	9.6 3.1	0.3	0.2 0.5 0.1	0.9		0.0	0.0	)				2.1
205 4U2	J.1	0.1	J.7	0.3	1.7	0.9	H	0.0	0.0	)				3.2
	MINUTES	FOR TEL	ROJE. VS	RPM BY	MISSION	SEG	STEADY.	AV RAT	F OF CI	148 621	), 6Y	OAT	90	
	LeSS	10	23	ن. د د	4:	50					100	110	120	SUM
LESS 180 185 190	2000	0.4	).5	0.3	3.3	0.0				•				0.0
195 200 205 SUM		0.4	J.5	0.3	<b>9.</b> :	0.4								1.9

	MINUTES	FOR TO	RQJEZ VS	BBW RA	<b>₩155104</b>	SEC S	TEATY,	37	RATE	OF CLIMB	630	. 87	DAT	9)	
LESS	LESS 0.0	10	20	٥ د	40	50	60		70	90	90	100	110	120	SUM 0.0
180	0.5	0.0					0.1								0.1
185 190 195 200 205		0.2	).4	0.7	0.:	0.2									1.7
SUM	0.0	0.3	J.4	0.7	3.0	0.2	0.1								1.9
	MINUTES	FOR TO	RQJE. VS	RPM BY	MISSION	SEG S	STEADY,	ВУ	RATE	CF CLIMB	600	, BY	DAT	SUM	
	LESS	10	20	30	40	50	60		70	80	90	100	110	120	SUM
LESS					0.2	0.0	- 70					•		•••	0.2
190		0.1		0.6	0.4	0.3	0.4		0.1		2.0				2.0
195		0.4	1.2 J.5	2.6	2.3 1.1	1.7	0.4		0.3	0.0	0.0				9.0
195			0.2	•••	0.1	•••									0.3
205															
SUP	0.4	0.5	2.0	4.7	4.1	2.3	0.4		0.4	0.0	0.0				14.9
	MINUTES	FOR TO	RQJE2 VS	RPM BY	MISS TON	SEG S	STEADY,	87	RATE	OF CLIMB	600	. 87	DAT	SUM	
	LÉSS	10	20	30	40	50	60		70	80	90	100	110	120	SUM
LESS	0.0	_				0.2						•			0.2
100		0.2		0.5	0.3	0.2	3.1		0.1						2.0
185		0.2	2.1	3.3	1.5	0.2	0.2		0.0	0.0					9.0 3.3
195			U.2	•••	2.1	•••			***						0.3
230															
205 SUP	0.5	0.4	3.1	5.2	2.7	2.3	0.3		0.1	0.0					14.9
	MINUTES	FOR TO	RQUEL VS	RP4 8Y	MISSIDM	SEG S	STEADY,	вч	PATE	OF CLIMB	900	, BY	CAT	73	
	LESS	10	20	30	40	50	60		70	80	90	100	110	120	SUM
LESS															
185				0.1											0.1
190 195 200 205															
SUP				9.1											0.1
	MI NUTES	FOR TC	RQUE∠ VS	RPM 44	MISS 104	SEG S	STFASY,	ВУ	RATE	OF CLIMA	<b>90</b> 0	, 87	OAT	70	
	LESS	10	20	30	4.7	50	é G		70	80	30	100	110	120	SIJM
LESS															
18C 185 190 175 200				0.1											0.1
205															
SUP				0.1											0.1

	MINUTES	FOR	TCRUJE. VS	RPM BY	MISS 104	SEG S	TEAUY,	84	RATE	OF	CLIMB	900.	AY	DAT	SUM	
	Less		10 20	30	40	50	60		70		60	90	100	110	120	SUM
185 185 190				0.1												0.1
200 205 SUM				0.1												0.1
		12.12		20.1751.					<b></b>				• • •		****	
		FOR	TCRQUEZ VS					BY		OF		900		OAT	SUM	
LESS			10 20	30	40	50	60		70		80	90	100	110	120	SUM
160 165 190 195 200				0.1												0.1
205 SUP	i			0.1												0.1
	MINHTES	E OB	TCRQUEL VS	DOM BY	#155 Inv	SEC M	CIST .	av .	2476	ne.	CI IMB	=1.230.	87	OAT	70	
	LESS	, 01	10 20	30	40	50	60	٠.	70	٠.	50	90	100	110	120	SUM
LESS	5		10 10	30		0.0	0.0		10		37	7.5	.00	115	120	0.1
195 195 200 205						0.0	J.1									3.1
SUM	•					0.0	J. 1									0.2
	MINUTES	FOR	TCRQJE2 VS	RPM BY	MISSION	SEG HO	CIST .	8 Y R	ATE	OF	CL148	-1200 .	87	DAT	70	
LESS	LĖSS		10 20	30	41	50	60		70		90	90	100	110	120	SUM
180 185 190 195 200					0.1		0.1									0.1
205 SUP					0.1		0.1									U.2
	MINUTES	FUR	TCRQJE. VS	8PM 8Y	MISSION	SEG H	CIST .	4 Y 8	RATE	ΩF	CLIMB	-1200.	BY	TAC	8.3	
LESS			10 20	30	40	50	6 C		70		60	90	100	110	120	SUM
180 185 190 195 200 205					0.1											0.1
SUP					0.1											2.1

	MINUTES	FOR	TCROJE	. vs	DOM RY	MISSION	SEG HOI	IST . A	Y #ATE	D.F	CLIMB	-1200	, BY	DAT	40	
	LLSS		10	20	30	40	50	60	70	٥.	90	90	100	110	120	SUM
180 185 185				J.1												0.1
195 200 205 SUM				0.1												0.1
	MI NUTES	FOR	TCRQUE	. vs	RPM BY	MISSION	SEG HCI	51 . 91	/ RATE	ű <b>F</b> I	CLIMB	-1200	87	JAT	90	
LESS	LESS		10	20	30	47	50	60	70		80	90	100	110	120	SIJM
180 185 190 195 200									0.0			0.0				0.1
205 SUP									0.0			0.0				0.1
	MINUTES	FOR	TCRUJE	¿ vs	RPM BY	MISSIDM	SEG HOI	51 . A	Y RATE	0 <b>F</b>	CL IMB	-1200	, BY	OAT	90	
LESS	LESS		10	20	30	40	50	60	70		80	40	100	110	120	SUM
180 185 190 195 200								C.C	0.0							0.1
205 SUP								7.0	<b>3.0</b>							0.1
	MINJIES	F OR	TCHQJE.	, vs	APM BY	MISSION	SEG HÖI	51 , 81	RATE	DF	CLIMB	-1200,	RY	OAT	SUM	
L_\$\$	LESS		10	2)	30	4 ~	50	٤٥	70		83	40	≟00	110	120	S'JM
143 140 140						o.:	0.0	3.C 2.1	1.0			0.0				0.1
200 207 \$11#						0.1	0.0	J•1	2.0			). 0				0.4
	MINUTES	FOR	TCRUJE.	2 VS	RPM BY	MESSION	SEG HCI	ST , A1	. RATE	DF (	CLIMA	-1200	. 67	OAT	SUM	
	LESS		10	23	30	40	50	éC	70		<b>6</b> 0	90	:00	110	123	SU 4
LESS 190						n.;										0.1
195 196 195 200				1.1				J•1	0.0							0.3
205 5'J#				.1		0.:		2.1	0.0							0.4

	MINUTES	FOR	TCRQJE. V	S RPM BY	MESSIDM	SEG H	LIST .	BY RATE	OF CLIMB	-900	84	OAT	70	
LESS 180 189 190 199 200 200 Suf	) ; ;		10 20	30	0.1	50	0.1 0.1	70	80	90	100	110	120	0.1 0.1
LESS 185 185 195 200 205 SUP	LeSS	FOR	TC#QJE2 VS 10 20 U.1 J.1	. RPM BY	HISSIUN 40	SEG H	60 9.1	9Y RATE ( 70	DF CLIMB 80	<b>-9</b> 00	. 8Y	04T 110	70 120	SUM 0.1 0.1
	LESS	FOR	TCRUJE, VS	RPM BY	HISSION 42	SEG H		70 0.0 0.1 0.1	DF CLIMB 80	-920, 90	8Y 100	OAT 110	80 120	SUM 0-1 0-1
LESS 190 193 190 200 200 SUP	LESS	Fük	TCRQJE2 V5 10 20	; RPM BY	MISSION 40	50 0.0	0.C 0.C 0.1	BY RATE (	DF CLIMB 83	-900 90	, <b>8</b> Y	0AT 110	80	SUM 0.1 0.1
LESS 180 195 193 193 200 205 5UP	LESS		TCRQJE. VS 10 20	30	#155 ION 4*	50 0.2	015T .     6C   7.C   0.3	70 0.1	BO	-900,	100	0AT 110	90	SUM 0.0 0.6

	41 HUTES	FOR	TCRQJE	VS RPM 6	VG1221P V	SEG +	!!! <b ,	ďΥ	RATE	)F	SLIMA	-933	, BY	CAT	93	
	LÉSS		10	20 30	4.1	50	60		70		87	90	100	110	120	SUM
LESS 180 185 190 195 200					7. (	0.2	<b>∪•</b>		0.0							0.0
205 SUP					0.1	0.2	0.2		0.1							0.6
	MINUTES	FOR	TCRQUEL	VS RPM B	r mission	SEG H	DIST ,	9 Y	RATE	űF C	L148	-900,	87	TAC	SUM	
LESS	LcSS		10 2	20 30	41	50	60		70		30	<del>9</del> 0	100	110	120	SUM
180 185 190 195 200					0.1	0.2	0.4		0.1 0.1							0.2 0.8 0.1
205 SUP					0.1	0.2	0.5		0.2							1.0
	MI NUTES	FOR	TORQUE2	VS RPM B	r MISSION	SEG H	0151 .	84	RATE	OF C	LIMB	-900	, BY	DAT	SUM	
	LESS		10	30 . 30	40	50	6C		70		0	90	100	110	120	SUM
LESS 180 185 190 195 200			v.	1	0.1	0.3	0.1		0.0 0.0							0.2 0.8 0.1
205 SUP			v	1	0.1	0.3	0.5		0.1							1.9
ı	MI NUTES	FOR	TCRQJE.	VS 8PM B1	/ <b>415510</b> 4	SEG HO	D:51 ,	3 7	RATE	OF C	LIMB	-500,	ву	DAT	60	
	LeSS		10 2	20 30	4.1	50	60		70		10	70	160	110	120	SUM
180 185 190 195 200						0.1	0.1									0.z
205 SUP						0.1	6.1									0.2
1	INUTES	FOR	TCRQJE2	VS RPM BI	MISSION	SEG H	C(St .	44 :	RATE	CF C	L [ 48	-600	. BY	TAC	60	
	LcSS		10 2	0 50	40	50	60		70	3	0	10	100	110	120	SUM
180 185 190 195						0.0	1									0.2
200 205 SUP						0.0	J.1									0.2

	MINUTES	FOR	TORQUEL VS	RPM BY	HISS ION	SEG H	0157 .	84	RATE	OF	CLIMB	-600.	87	DAT	70	
	LESS		10 20	30	40	50	60		70		80	90	100	110	120	SUM
LESS 180 185 190 195	J.1			0.1		0.0	9.C 9.1		0.2							0.4
200 205 SUP	0.1			0.1		0.0	0.2	,	0.6							1.0
	MI YUTES	FOR	TCRQJE2 VS	RPM BY	MISS ION	SEG H	01 <b>5</b> T .	BY	RATE	0 <b>F</b>	CLIMB	-600	. 87	DAT	70	
	LESS		10 20	30	40	50	éC		70		80	90	100	110	120	SUM
LESS					0.1	0.0	0.1		0.1							0.4
195 190 195 200 205			. J.1		0.3	0.1			0.1							0.6
SUP	J. 1		J.1		0.4	0.2	9.1		0.2							1.0
1 1	MINUTES	FOR	TORQUEL VS	RPH BY	MISS 104	SEG H	0151 .	BY	RATE	UF	CLIMB	-600,	8 Y	DAT	90	
	LESS		10 20	30	40	50	60		70		80	90	100	110	120	SUM
LESS 180 185 190 195 200				0.1	0.7	0.0	9.1 0.1		0.0			2.1				0.1 0.6 0.1
205 SUP				0.1	0.3 .	0.0	0.2		0.0			0.1				0.8
1	MINUTES	FOR	TCRQUEZ VS	APH BY	MESS TON	SEG H	CIST .	84	STAF	UF	CLIME	-600	. 84	OAT	80	
LESS	LESS		10 20	30	40	50	60		70		60	93	100	110	120	SUM
180 185 190 195 200			J.1 J.1	0.2		0.1	).c	1	0.0							0.1 0.6 0.1
205 SUP			J•2	0.2		0.3	o.¢	(	0.0							0.6
	MINSTES	5.02	TCRGJE: VS	80M 8V	M155 174	ter w	6157		ATE	0.6	C1.1M4	-630.		TAC	20	
		FUR						of '					-		90	
LESS	LESS		10 20	30	41	50	60		70		60	70	100	110	120	SU4
190 185 190 195 200				0.1	0.1	0.5	J.2		0.5 0.1	0	.0	3.3				0.2
2.)5 \$U₽				0.1	0.1	0.7	0.3	(	0.6	0	• 0	0.0				1.0

	MINUTES	FJR	TORQUEZ VS	RPM BY	M 155 104	SEG	H0151.	84	RATE	OF CLIMB	-630	. 84	DAT	90	
LESS	Less		10 23	30	40	50	60		70	80	90	100	110	120	SUM
180			J.2	0.1	0.1	0.1 0.4 0.1	0.7		0.0						0.2 1.4 0.3
205 SUP	5		3.2	0.1	0.1	0.5	0.9		0.0						1.8
	MINUTES	FOR	TCRQJE. VS	RPM BY	NCTZZIM	SEG	H0157 +	4 N	RATE	OF CLIMB	-600.	RY	OAT	SUM	
	LESS		10 20	30	41	50	60		70	50	90	100	110	120	SUM
185 185 196 195 200	0.1			0.3	0.1 3. 0.1	0.1 9.6 0.2			0.2	0.3	0.1				0.8 2.6 0.4
205 SUP				0.3	2.4	0.9	9.8		1.2	0.3	0.1				3.0
	MINJTES	FOR	TORQUE: VS	RPM BY	VCIZZIM	ses	H0157.	8 Y	RATE	OF CLIMB	-630	, BY	DAT	PUZ	
LESS	LESS		10 20	30	4.7	50	60		70	90	70	100	110	120	SU4
180 185 490 195 200	<b>0.1</b>		).4 ).1	0.3	3 3.4	0.2 0.7 0.1	9.3 9.7 9.2		0.2						0.8 2.6 0.4
SUP			J.5	0.3	0.3	1.0	1.2		0.3						3.8
		FOR	TCHQJE, VS					нч			-300,	ВЧ	OAT	60	
LESS 180			10 20	30	40	50	60		70	90	70	100	110	120	SUM
195					2.1										0.1
3/10					0.1										0.1
	MI NJTES	FOR	TCHQJEL VS	ерм ду	41551D4	SEG	H0151,	ŖΨ	RATE	OF CL148	-300	. 84	747	40	
L655 180			10 ?1	10	47	50	60		70	an	7)	100	110	120	5114
445															J.1 U.1
375			1.1												1.1

	MI NUTES	FOR	TEHQ	E. VS	RPM BY	MISSION	5 5 3	HOIST .	94 :	RATE	OF CLIMB	-300	BY	DAT	70	
	LESS		10	29	30	47	50	60		70	30	30	100	110	120	SUM
LESS 180 185 190 195 200	0.1				0.4 0.1 0.1	7. ! 7. l	0.4		(	0.0	0.1					0.7 1.2 0.3 0.1
205 SUP	0.1				0.6	0	0.5	0.5	•	0.0	0.1					2.4
	MINUTES	FOR	TCRO	IE. VS	RPM BY	WI 221M	SEG	HOIST .	44 4	ATE	OF CL148	-300	. 84	OAT	70	
	LeSS		10	20	30	40	50			70	80	90	100	110	120	SUM
LESS 180						0.3	0.2		(	0.1						0.7
185 190 195 200				J.1	0.3 0.1 0.1	3.2	0.2									1.2 0.3 0.1
205 SUP	0.1			J.2	0.5	0.5	0.4	0. <b>ć</b>	C	0.1						2.4
	MINUTES	FOR	TCRQ.	JE1 A2	RPM BY	MISSION	SEG	HOIST .	ву	RATE	OF CL148	-300,	84	DAT	60	
LESS	LESS		10	20	30	40	50	60		70	80	90	100	110	120	SUM
190 185 190 175 200	J.i					0.1	0.2			0.5 0.2	0.1		0.1			0.7 1.2 0.3 0.1
205 SUM						0.7	0.3	G. 6	(	0.7	0.1		0.1			2.3
	MI NUTES	FOR	TCRO	JE2 VS	RPM BY	MISSION	SEG	H0157 .	64 :	RATE	OF CLIMB	-300	, 8Y	OAT	60	
LESS	LLSS		10	20	30	43	50	60		70	80	90	100	110	120	SUM
190 185 190 195 200	0.1			J.1 J.1	0.1	o.:	0.3			0.1		0.1				0.7 1.2 0.3 0.1
205 SUP	J.1			J.2	0.1	o.t	0.5	0.7	(	0.4		0.1				2.3
	MINUIES	FOR	TCHUJ	E1 VS	APM BY	MISSION	SēG	HCIST,	47 R	ATE	OF CLIMB	-300,	RY	OAT	90	
LESS	LESS		10	23	٥ د	47	50	60		70	•3	90	100	110	120	SUM
180 185 190 195 200					0.0	3.4	0.1	3.1 1.1 1.2		0.1						0.4
203 SUP					0.1	o. =	3.6	4	o	.2						1.8

	MINUTES	FOR	TCHQ	JE2 VS	204 64	MISS 104	SEG	H015f.	44	RATE	OF CLIMB	-300	. 84	DAT	20	
	Less		10	20	3.3	47	50	60		70	90	CP	100	110	120	SUM
180 185 190 195				v•1	0.2	0.1	0.2 3.3 0.1	0.5		0.1						0.4
200 205 SUP				J.1	0.2	o.·	J.t	Դ.6		0.1						1.8
	MINUTES	FOR	TCRC	JEL VS	RPM BY	MISSION	SEG	HOIST,	ЗY	RATE	OF CLIMB	-300	ВЧ	TAG	SUM	
LESS	LE <b>S</b> S		10	20	30	40	50	60		70	80	90	100	110	120	SUM
180	U.1				0.4	0.7	0.6	0.6		0.1	0.1		0.1			1.8
190 195 200					0.2	0.1		0.5 0.1		3.2						0.9
205 SUP					0.7	0.9	1.4	2.1		0.9	0.2		0.1			6.6
		222			220										•	
									3 4		OF CLIMB	-300		DAT	SUM	-
LESS			10	23	30	41	50			70	80	90	100	110	120	\$UM
180 190 190 200	) )			J.2 0.3 J.1	0.1 0.5 0.1 0.1	0.3 0.4 0.1	0.4	1.2		0.2		0.1				1.8 3.6 0.9 0.2
SUP				7.6	0.8	0• ê	1.6	2 • C		3.6		0.1				6.6
	MINUTES	FOR	TCRC	DUEL VS	RPM BY	MISS 104	3 E G	⊬015T •	34	RATE	UF CLIMB	300,	87	DAT	70	
	LESS		10	20	30	42	50	60		70	50	93	100	110	120	\$1) <b>4</b> 1
LESS 180 185 190							0.1	ö <b>.1</b>			0.1				•••	0.3
200 205 SUP							0.1	7.1			0					0.3
	MINUTES	FOR	TGRQ	JE2 VS	RPM BY	MISSION	SEG #	oisr .	<b>8</b> Y	RATÉ	OF CLIMB	300	, BY	DAT	70	
	Less		10	20	30	40	50	60		70	90	30	100	110	120	SUM
LESS 180 185 140 175 200						0.1		₫• <b>2</b>								0.3
205 SUP						0.1		5.2								0.3

	41 VUTES	FOR	TCRQJE	v\$	RPM BY	MISS I JV	SEG	HOIST .	BY 4	ATE	OF CLIMB	300	. BY	TAC	80	
LESS	LESS		10	20	30	40	50	60		70	80	90	100	110	120	SUM
180 185 190 195 200					0.2		0.0	J.2								0.4
205 SUP					0.2		0.0	0.2								9.4
	MINUTES	FOR	TCROJE:	: vs	RPM BY	MISSION	SEG	HOIST .	BY R	AT=	OF CL148	300	, 84	DAT	80	
	LéSS		10	20	30	40	50			70	90	90	100	110	120	SUM
LESS 180 185 170 195					0.1	0.;	0.0	1								0.4
200 205 SUP					0.1	0.3	0.0	1								0.4
	MINUTES Less			V S 20	RPM BY	MISSION 40	SEG 50			ATE   70	OF CLIMB	300, 90		DAT	93	5.1M
LESS 180	,		•0	20	30	7.	70			70	80	40	100	110	120	SUM
185 190 195 200						0.7	0.3	0.1 U.1		.1						0.7
205 SUP						٠.٠	0.3	0.2	0	. 2						0.9
	MI NUTES	FOR	TORQUEL	vs	RPM BY	MISSION	SEG	H013',	9Y 20	ATÉ I	OF CLIMB	300	. BY	740	40	
	LeSS		10	20	30	47	50	ė O		70	80	30	100	110	120	SUM
LESS 180 185 190 195			j	•1	0.1	9.1	0.2		0	. 0						0.7
20C 205 5UP			J	- 1	0.1	0.:	0.3	0.2	0,	. 0						0.9
	M\$ 1. 1755	Enu	700016		<b>584</b>											
	LESS			52	30	#15510V	5 E G			11E :	SO SO	300, 90	100	110	5U4 120	SUM
LeSS iso			••	- /	,,,	•	,0	•			60	70	100	110	120	<b>&gt;</b> ∪™
105 110 115 200					0.2	0.	0.4	0.4 9.1		.1	0.1					1.4
205 SUP					0.2	0.1	0.4	0.5	0.	. 2	0.1					1.6

	41 1J1E5	FOR	TOHUJE V	RPM BY	MISSION	SEG	H015T .	84	RATE D	F CLIMB	300	. 84	DAT	SUM	
1	LESS		10 20	30	40	50	60		70	90	90	100	110	120	SUM
185 190 185 140 195 200			J.1	0.2	0.5	0.3			0.0						1.4
205 SUP			0.1	0.2	0.5	0.4	0.4		0.0						1.6
	<b>41</b> u 1720	5 O P	TERQJE, VS	. nom	MICCION		H0151		2475 .46		500	ВУ	TAC	60	
	LESS		10 20	50	47	50		31	70		90				
LESS 180 185 190 195 200	2233		13 10	30	o.:	,0	00		,,	80	73	100	110	120	0.1
205 SUP					0.1										0.1
	MINUTES	FOR	TORQUEL V	S RPM BY	MISSIDA	SEG	H0151,	91	RATE O	F CLIMB	630	, BY	OAT	67	
	LeS!	;	10 20	٥ć	47	50	60		70	30	99	100	110	120	SUM
LESS 180 185 190 195 200 205				0.1											0.1
402				3.1											3.1
	MINUTES	FOR	TCRGJEL VS	RPM BY	VC1 221 M	SEG	HOIS".	37	RATE DI	F CLIMB	500	нч	TAC	60	
L::\$3			10 2)	0 ف	4 '	50	60		70	9.0	93	100	110	120	SUM
185 170 175 200 205				0.1	2.1	0.1									0.3
SÚN				0.1	0.:	0.1									0.3
	41 NUTES	FOR	TCRQJE. VS	RPM RY	4155!JY	5 <b>6</b> 5	HOIST.	44	RATE CF	CLIMB	601	, BY	041	ر ۹	
LESS	LtSS		10 20	30	4 '	50	£C		70	<del>3</del> 7	90	100	110	120	5.14
190 195 190 195 200			1.1		7.!	0.1									0.3
275			1.1		· ·	0.1									2.3

	MI NUTES	FJH	TOR	QUE . VS	RPM BY	4155 : 24	SEG	HUIST .	BY RATE	OF CLIME	530	84	TAC	93	
LESS 180			10	20	30	47	50	60	70	90	90	100	110	120	SUM
185 190 195 200 205						0.	٥.0								0.2
SUP						0.	3.0								0.2
	MINUTES	FOR	TCR	RGUEL VS	RPM EY	MISSION	SEG	HU151 .	BY RATE	OF CLIMS	500	. BY	DAT	90	
LESS			10	20	30	40	50	60	70	80	90	100	110	120	SUM
18C 185 190 195 20C							0.1	J.C							0.2
205 SUM							0.1	6.C							0.2
	MINUTES	FOR	TCH	QUE: VS	RPM BY	MISSION	SEG	HOIST .	BY RATE	OF CLIMB	600,	81	OAT	SUM	
LESS	LESS		10	23	30	4^	50	60	70	90	90	100	110	120	SUM
180 185 190 195 200 205					0.1	0.1	0.1								0.1
SUP					0.1	0.4	0.1								0.6
										OF CLIME				SU4	
LESS		5	10	20	30	40	50	60	70	83	90	100	110	120	SUM
100 185 170 195 200 205				7.1	0.1	0.	0.2	0.0							0.1
SUM				J.1	0.1	0.1	0.2	) <b>.</b> C							0.6
	MINUTES	FOR	TCA	IQJE. VS	RPM BY	MISS 104	SEG	SIJM,	AY RATE	OF CLIMB	Sur.	84	TAC	<b>SU4</b>	
LESS	LēSS		10	23	30 25.0	25.0	50 10.9			as	70	100	110	120	SUM
180	274.9	13	4.7	27.5	746.3	79: . !	342.6	160.5	1.2 54.3 169.1	0.1 7.3 38.5	1.1	1.4			80.5
190 195 200	36.5	0		156.7			375.4	125.7		7.3	10.1	3.7			5235.3 1773.7 39.3
205 SUM		<b>4</b> d	8.2	1095.7	3221.5	2961.: 1	1631.6	727.0	273.1	54.3	12.3	2.1		1:	360.1

TABLE VIII - Concluded

	MI NUTES	FOR TO	RWJE. V	S RPM B	MISSID	N SEG	SUM.	SY RATE	JF CLIMB	SUM	, RY	DAT	SU <b>4</b>
	Less	13	23	30	4.3	50	60	70	a٥	90	100	110	120 504
LESS	6.5	6.3	7.4	17.5	22.:	15.3	5.2	0.2					90.5
130	1.005	2,5.9	393.3	587.5	699.5	403.5	165.4	39.5	7.2	0.9			2831.3
145	.56	302.2	1365.7	1547.0	1496.1	958.7	403.4	134.8	17.8				6235.3
193	40.4	45.4	234.7	529.1	489.	293.5	105.1	40.5	2.0				1773.7
195					10. 7				0.2				39.3
200													
235													
SUM		650.9	1599.3	2693.1	2717.	1655.0	685.0	217.3	27.2	.). 9			10960.1

TABLE IX. TIME FOR ENGINE TORQUE 1 VERSUS ENGINE TORQUE 2, SAMPLE I

•	INLTES	FCR TO	ROUE1 V	S TCRCU	E 2									
	LESS	10	20	30	40	5C	60	73	80	90	100	116	120	SUM
LESS	269.8	57.4	106.0	96.5	27.6	4.0	1 9	0.2						604.3
10	57.7	105.9	176.5	205.5	8C.8	19-6	3. 6	1.0						650.9
20	99.1	180.6	455.4	690.3	239.7	27.1	4.5	0.4						169903
30	45.9	78.0	31C.9	1322.2	775.5	135.7	15.5	5.1	Cal					2693.1
40	13.7	22.6	43.4	799.9	1258.0	438.5	119.9	20.8	C. 3	O. 1				2717.2
50	1.1	2.2			54C. 3	754-1	205-1	52.0	3.0	0.2				1665.0
60	C-1	C. 3	C-4	4.9	38.8	241,9	271 A	96.4	27. 1	2.6	0.7			685.0
70		0.2		0.2	C-4	9.9	97.9	83.1	16.5	7.7	1.3			217.3
80		C-1				_	4.5	13.9	7.5	1.3				27.2
90		•••							Cei	C.4	0.1			0.9
100									- •					•
110														
120														
SLP	491.4	455.2	1296.9	3221.4	2961-1	1631,6	727:0	273.1	54 . 9	12.3	2.1		1	10960-1
											-••			

TABLE X. CYCLIC STEADY VERSUS CYCLIC PEAKS BY COLLECTIVE STEADY (MISSION SEGMENT 4), SAMPLE I

	CYCLTC	STEARY	AC CAC	IT PFA	KS AV C	rii. st	EADY	31			
(ree -41 -30 -10	LFSS	10	20	30	49	51	50	70	90	90	SUM
10 20 30 40						1					1
TIME	0.	c.	Λ.	n.	23.4	1 51.6	21.0	25.4	7. 7	0.	1
		STEADY	,					40	•		
LFSS	LESS	10	20	30	40	50	60	70	80	90	SUM
-40 -30 -20 -10								2			2
10 20 30						1	1				2
5114						ι	1	2			4
TIME	7•	<b>π.</b>	2•2	22.?	426 <b>.</b> N	645.3	178.3	64.4	9.7	0.	1 44.2
	CACFIC	STEADY	A2 CAC	LIC PFA	KS BY C	CLL. ST	EADY	50			
LFSS -40 -30	LFSS	10	20	30	40	50	60	70	80	90	SUM
-27						1	5	2			8
10 20 30 40						6	5	1			12
5114						A	10	- 3			21
TIME	0.	0.	4.5	118.9	724.7	831.9	207.6	63.5	5.7	0.	1957.8

TABLE X - Concluded

	CYCLIC	STEADY	vs cycl	TC PEA	KS SY C	CLL. ST	EARY	60			
1 FSS -40	LFSS	10	20	30	40	51	60	70	80	90	SUM
-30								?			2
-10 10 20							4				4
40 51JM							4	?			6
TIME	۰.	c.	n.	39.3	795.1	543.7	59. R	25.3	10.	0.	1463.2
	CYCLIC	STEADY	VS CYCL	TC PEA	KS BY C	CLL. ST	FANY	70			
LFSS -40 -30 -20	LESS	10	20	30	40	50	60	70	81	90	SUM
-10 10 20 30 40						1					1
SIIM						1					1
	•	•	^	0.6	104 0	C4 0	10.7	0.4	^	•	310 6

TABLE XI. CYCLIC STEADY VERSUS CYCLIC PEAKS BY ALTITUDE (MISSION SEGMENT 4), SAMPLE I

( )(	CLIC ST	FARY VS	CACTIC	PEAKS	RY AL	TTUDE	LESS			
إدرد	10	50	30	40	50	60	70	90	90	SU
							•			
							1			
							1			
0.	0.	0.	2•	<b>1.</b>	7.7	18.3	12.0	0.	0.	38.
CAL	LTC STE	APV VS (	YCLIC	PEAKS !	SY ALT	ITUDE	1000			
LESS	10	20	30	49	57	60	70	80	90	SU
						_				
					_	3	3			
					3	4				
					4	7	3			1
n.	0.	c.	0.	4.3	47.7	154.7	46.3	3.7	0.	256.
( 4(	LIC STE	2V Y74	T YCL I C	PEAKS	RY ALT	TUDE	2000			
LFSS	10	29	30	40	50	60	70	80	90	SU
					1	2	?			
					5	6	1			1
					-					
					7	P	3			1

n. 6.7 143.6 1579.8 1239.3 234.3 77.1 13.4 0. 3294.3

TABLE XII. CYCLIC STEADY VERSUS CYCLIC PEAKS BY AIRSPEED (MISSION SEGMENT 4), SAMPLE I

	CYCLIC STEADY VS CYCLIC PEA				FAKS RY	VELO	CITY	LESS			
LFSS	LESS	10	20	30	40	50	60	70	80	90	SUM
-40 -30											
-20						1	5	6			12
-10 10						9	10	1			20
20 30						1					1
40 51JM						11	15	7			33
2.1-						•••		•			, ,
TIME	0.	0.	0.	0.	1.8	93.8	327.4	133.3	17.1	0.	573.4

TABLE XIII. CYCLIC STEADY VERSUS CYCLIC PEAKS BY ROTOR RPM (MISSION SEGMENT 4), SAMPLE I

		CACFIC	STEADY	VS	CACTIC	PEAKS BY	RPM	180			
LFSS -40	t.FSS	10	50	30	40	50	60	70	90	90	SUM
05- 01-						i		?			3
10 20 30						2	1	1			1
40						4	1	2			Я
TIME	<b>7.</b>	c. 6	- 7 50	.7	51A.9	566.4	140.1	69.4	A.3	0.	1359.5

#### TABLE XIII - Concluded

		CAC	LIC STE	ADY VS	CACFIC	PEAKS	ВА БЬМ	1.90			
[ESS -40 -30 -20	LFSS	10	20	٦٥	40	50	60	70	80	90	SUM
-10 10 20 30						1					1
40 51JM						1					1
TIME	n.	c.	. n•	22.3	369.2	409.3	51.5	14.8	ე. 6	0.	867.8
		۲۷0	LIC STF	ADY VS	CYCLIC	PEAKS	RPM	195			
LF\$\$	LESS	10	50	30	40	50	60	70	AO	90	SUM
-30							5	4			9
-10 10						6	9	Ť.			
20 30 40						0	•				15
CIJM						6	14	4			24
TŢME	0.	0.	0.	124.0	1 447.8	1164.P	289.0	94.4	8.0	0.	3121.0
		CYCL	IC STFA	TY VS C	YCLIC P	FAKS RY	/ RPM	SUM			
	LESS	10	20	3 C	4C	50	60	70	80	90	SUM
LFSS -40											
-30 -20						1	5	6			12
-10											
10 20 30						9	10	1			20
40 SUM						11	15	7			33
TIME	0.	C.	6.7	197.0 2	356.1 2	167.4	495.6	179.2	17.1	0.	409.1

TABLE XIV. AIRSPEED ACCELERATION VERSUS CYCLIC PEAKS BY MISSION SEGMENT, SAMPLE I

#### ACCELERATION VS CYCLIC PEAKS BY MISSICH SEGMENT ASCENT

	LFSS	-15.0	-12.0	-9.0	-6.0	-3.0	3.0	5.0	9.0	12.0	15.0	SUM
LFSS -40							1					9
-30					_	265	13					278
-30					2	377	16					395
-10												12
10						12						12
20 30												
40												
SUM					2	662	30					694

#### ACCELERATION VS CYCLIC PEAKS BY MISSICH SEGMENT MANUVE

LESS	LESS	-15.0	-12.0	-9.0	-6.0	-3.0	3.0	6.0	9.0	12.0	15.0	SUM
-40 -30						2						2
-20 -10						3						3
10												
30												
40												
SUM						5						5

#### ACCELERATION NS CYCLIC PEAKS BY MISSICH SEGMENT DESCRIT

LESS	LESS	-15.0	-12.0	-9.C	-5.C	-3.0 1	3.C	6.0	9.0	12.0	15.0	SUM 1
-40						6						6
-30						192						172
-20						374	7	1				392
-10												
10	•				1	20						21
20												
30												
40												
SIIM					1	593	7	1				405

TABLE XV. ROTOR RPM VERSUS CYCLIC PEAKS BY MISSION SEGMENT, SAMPLE I

#### RPM VS CYCLIC PEAKS BY MISSICN SEGMENT ASCENT

	LESS	180	185	190	195	200	205	SUM
LFSS -40		4	5					. 9
-30	1	52	168	56	1			278
-20	1	104	222	65	3			395
-10								
10		Ą	3	1				12
?0								
30								
40								
SIIM	2	168	198	122	4			694
TIME	14.6	731.6	1871.3	5 56 . 8	15.2	0.	0.	3189.6

#### RPM VS CYCLIC PEAKS BY MISSICH SEGMENT MANUVR

LESS	LESS	190	185	190	195	200	205	SUM
-40 -30			2					2
-20		1	5		•			3
-10 10								
3U								
30					•			
40 511M		1	4					5
1.7		•	•					,
TIME	0.	14.1	41.5	0.6	0.	C.	0.	56.1

TABLE XV - Concluded

# RPM VS CYCLIC PEAKS BY MISSICH SEGMENT DESCHT

	LESS	180	185	190	195	200	205	SUM
LESS		•	1	-			•	1
-40		4	2					6
-30		41	114	37				192
-20	4	93	214	71				382
-10			•					
10		10	10	1				21
50								
30								
40			•					
SUM	4	148	341	109				602
TIME	25.3	950. é	2024.4	547.2	6.6	0.	0.	3554.2

# RPM VS CYCLIC PEAKS BY MISSICH SEGMENT STEADY

	LESS	180	185	190	195	200	205	SUM
LESS								
-40								
-30								
-20		3	5					12
-10								
10		4	15	1				20
20		1						1
30						•		
40								
5114		8	24	1				33
TIME	41.3 1	359.5	3121.0	867.8	19.5	0.	C.	5409.0

# TABLE XVI. AIRSPEED VERSUS CYCLIC PEAKS BY MISSION SEGMENT, SAMPLE I

	VELOC	ITY 15 (		PEAKS	ev #15	SICA SE	GMENT A	SCENT								
	LESS	40	60	65	70	75	80	85	90	95	100	105	110	115	120	SUM
L 555	1	1	1	1	1	2	1	1								9
-30 -20	47	42	21 27	41 39	31 34	31 35	24 39	10 33	15 30	5 12	2	1				278 395
-10		••	•	=1041							_	-				
10 20	12															12
30																
40 5114	151	5 5	49	81	66	68	64	52	45	17	4	2				694
TIME	510.8	71 5. 2	413.0	3 98.4	304.8	253.0	221.4	161.7	118.0	67.6	22.2	3.2	0.2	0.	٥.	3189.6
	VELOC	ITY VS	CYCLIC	PFAKS	ev 415	SICN SF	GMENT #	ANUVR								
LFSS	LFSS	40	60	65	70	75	80	85	90	95	100	105	110	115	120	SUM
-40 -30						1				1						2
-20 -10 10 20 30							1	1				1				3
SIIM						1	1	1		1		1				5
TIME	0.	0.1	0.1	0.3	1.6	3.7	9,3	15.2	14.7	7.6	3.1	0.3	0.1	0.	0.	56.1
	VELOCT	TY <b>V</b> S C	YCLIC P	EAKS P	∨ MISS 70	ICN SEG 75	MENT DE	SCNT R5	90	95	100	105	110	115	120	SUM
LESS			1		1		2		2		•	1	•			i i
-30	4		ç	12	29	34	17	25	22	20	10		2			192
-20 -10	44	79	21	31	31	32	32	52	53	33	17	5	2			382
10 20 30	10	1				1										21
40 511M	67	39	31	43	61	67	50	77	77	53	27	6	4			602
TIME	484.0	496.1	246.6	291.7	324.9	308.7	319.6	351.6	357.4	227.5	102.6	32.7	9.7	1.0	0. 3	554.2
	VEL OF E	TY 45 0	YCLIC P	PEAKS F	•Y #155	SICN SEG	MENT ST	TEADY								
1 = 5 5	LFSS	40	40	65	70	75	40	85	90	75	100	105	110	115	120	SUM
-40 -30																
-20	12															12
-17	20															20
70	1															i
47																
Sila	11															33
FINE	571,4	221.4	267.9	442.7	499.5	453.3	557.8	717.6	433.7	460.1	104.6	37.0	42.2	3.1	٥. :	>409.1

TABLE XVII. COLLECTIVE STEADY VERSUS COLLECTIVE PEAKS BY CYCLIC STEADY (MISSION SEGMENT 4), SAMPLE I

	COLL.STE	ACY VS (	COLLECT	IVE PEA	KS BY C	YCLIC S	TEADY	40			
LES!	LESS	10	20	30	4C	50	60	70	80	90	SUM
-3( -2(	•				1		3				4
-16 16 26 36								1			1
40 5U	)				1		3	1			5
TIME	0.	C.	0.	23.4		724.7	795.1	186.B	0.	0.	2356.1
	COLL.STE				KS BY (		TEADY	50			
LES!		10	20	3C	40	50	60	70	80	90	SUM
-30 -20	o n			1		1 9	1	1			2 15
-10 10 20 30					1	1	1				6 1
511				1	1	15	6	1			24
TIME	0.	с.	0.	51.6	645.3	831.9	543.7	94.9	0.	0.	2167.4
	COLL.STE	ACY VS C	OLLECTI	IVE PEA	KS BY C	YCLIC S	TEACY	60			
LESS	LESS	10	20	3C	40	50	60	70	80	90	SUM
-40 -30 -20	) ) )			1	2	6 18	4 17	3 6	•		1 4 4 3
-10 10 20 30	) 			1	4	17 2 1	5	1			28 5 1
40 5UM	1			3	7	44	27	10			91
TIME	0.	С.	2.	21.0	178.3	207.6		18.7	0.2	0.	

TABLE XVII - Concluded

	COLL. STEACY	vs	COLLECTIV	E PEAR	S BY C	ACTIC 2	TEACY	70			
LESS -40		10	20	30	40	50	60	70	80	90	SUM
-30 -20	) )				1	e	9 14	2			11 23
-10 10 20	) )				1	13	1				15
30 40 5UN	)				2	23	24	2			51
TIME	0•	С.	0.	25.4	64.4	63.5	25.3	0.6	0.	0.	179.2
	COLL.STEADY	vs	COLLECTIV	E PEAK	S BY CY	CLIC SI	EACY	80			
LESS		10	20	30	40	50	60	70	80	90	SUM
-40 -30 -20						3					3
-10 10 20										•	
30 40 511M						3					3

TIME 0. C. 0. 0.7 9.7 6.7 0. 0. 0. 0. 17.1

# TABLE XVIII. COLLECTIVE STEADY VERSUS COLLECTIVE PEAKS BY ALTITUDE (MISSION SEGMENT 4), SAMPLE I

	COLL.	STEADY	vs co	LEC TIVE	PEAKS BY	ALTI	TUDE	LESS			
LESS	LESS	10	20	30	40	50	60	70	80	90	SUM
-40 -30 -20					1	2 2	1 2				3 5
-10 10					,	1	2				1
20 30											_
40 SUM					1	5	3				9
TIME	0.	0.	0.	6.2	17.6	9.0	5.3	0.	0.	0.	38.1
	COLL.	STEADY	VS COL	LEC TIVE	PEAKS BY	ALTI	TUDE	1000			
LESS	LESS	10	20	3 C	4C	50	60	70	80	90	SUM
-40 -30 -20						4 13	7 14	2 1			13
-10 10				1	.4	14	4	•			23
20 30				ī	·	2	1				4
SUM				2	4	34	26	3			69
TIME	0.	C.	0.	11.8	98.5	56.4	44.7	5.3	0.	0.	256.7
	COLL.	STE ADY	vs cor	LEC TIVE	PEAKS BY	ALTI	TUDE	2000			
LESS	LESS	10	20	30	4C	50	60	70	80	90	SUM
-40 -30 -20				1	2	1 23	6 20	3			11 52
-10 10				•	2	19	3	1			25
20 30					1	3		·			4
40 513M				2	5	46	29	10			92
TIME	0.	0.	0.	66.4	932.9 1	274.4	841.2	179.1	0.2	0.	3294.3

TABLE XVIII - Concluded

	COLL.	STEACY	VS C	OLLEC TIV	E PE	AKS AY	ALTI	TUDE	5000			
LESS -40	LESS	10		20 :	C	40	50	60	70	80	90	SUM
-30 -20 -10						1		2				3
10 20									1			1
30 40 SUM						1		2	1			4
TIME	0.	0.	0.	. 37.	7 4	99.1	578.1	572.0	126.1	7.1	0.	1820.0

TABLE XIX. COLLECTIVE STEADY VERSUS COLLECTIVE PEAKS BY AIRSPEED (MISSION SEGMENT 4), SAMPLE I

	COLL.	STEADY	vs cr	LLECTIVE	PEAKS E	Y VELO	CITY	LESS			
LESS	LESS	10	2	0 30	40	50	60	70	80	90	SUM
-40 -30 -20				1	2	7 39	14	5 7			27 82
-10 10 20				1	6 1	34 5	6 1	1			48
40 SUM				4	9	P 5	55	13			166
TIME	0.	C.	0.	30.1	205.6	220.1	88.4	29.0	0.2	0.	573.4

TABLE XIX - Continued

	CCLL.	STEADY	VS COLE	EC TIVE	PEAKS B	Y VEL	CITY	60			
LESS -40 -30 -20 -10	LESS	10	20	30	4 C	50	60	70	80	90	SUM
10 20 30 40							1				1
SIJM							1				1
TIME	0.	c.	0.	4.4	68.2	124.7	57.4	13.1	0•	0.	267.9
	CTLL.	STEADY	vs coll	EC TIVE	PEAKS R	Y VELC	CITY	75			
	LFSS	10	20	30	40	50	60	70	80	90	SUM
LESS -40 -30 -20					1		2				3
-10 10 20 30					•		•				,
40 511M					1		2				3
TIME	0.	C•	0.	18.5	115.7	181.4	123.9	53.8	0.	0.	493.3
	COLL.	STEADY	VS COLL	EC TIVE	PEAKS 8	Y VELC	CITY	90			
LESS	LESS	10	20	3 C	4 C	50	60	70	80	90	SUM
-40 -30 -20 -10 10					1		1				2
30 40					1		1				2
SIJM									L		2
TIME	· ·	c.	0.	27.3	192.5	224.8	95.8	17.0	0.	0.	557.8

TABLE XIX - Concluded

	CULL.	STEADY	AS COFF	ECTIVE	PEAKS B	Y VELO	CITY	95			
LESS -40 -30 -20 -10	LESS	10	20	30	40	50	60	70	80	90	SUM 1
10 20 30 40 50											•
2114							1				1
TIME	0.	0.	0.	0.4	71.2	162.6	203.6	22.2	0.	0.	460.1
					PEAKS BY			115			
LESS -40 -30 -20 -10	LESS	10	20	30	40	50	60	70	80	90	SUM
10 20 30 40								1		1	1
SUM								1			1
TIME	0.	c.	0.	0.	0.	0.	1.6	0.6	0.9	0.	3.1

TABLE XX. COLLECTIVE STEADY VERSUS COLLECTIVE PEAKS BY ROTOR RPM (MISSION SEGMENT 4), SAMPLE I

	COLL.	STEACY	VS COLL	EC TI VE	PEAKS	BY PF	M	LESS			
LESS -40 -30 -29 -19 19	LESS	10	20	30	4C	50	60	70	80	90	SUM 1
30 40 SUM						1					1
TIME	0.	0.	0.	9.1	13.8	15.2	12.2	0.	0.	0.	41.3
	COLL.	STEADY	VS COLI	ECTIVE	PEAKS	RY RI	>M	180			
LESS	LESS	10	20	30	40	50	60	70	80	90	SUM
-40 -30					_	_	5				5
-20 -10					2		7				18
10 20 30				1	2	2	1				7
40 SUM				1	4	15	13				33
TIME	0.	0.	0.	25.9	413.9	547.3	323.9	48.5	0.	0.	1359.5
	COLL.	STEADY	vs ccll	EC TI VE	PEAKS	BY FP	M	185			
LFSS	LESS	10	20	30	40	50	60	70	80	90	SUM
-40 -30 -20				1	2	6 23	8 20	6			19 51
-10 10 20 30				1	3	25 3 1	4	2			34 5 1
40 SUM				2	ć	58	32	12			110
TIME	0.	0.	0.	86.6	890.I	1055.1	848.3	200.6	0.3	0.	3121.0

TABLE XX - Concluded

	COLL.	STEADY	vs co	LL EC TIVE	PEAKS	BY R	PM	190			
LFSS -40	LESS	10	2	30	40	50	60	70	80	90	SUM
-30 -20 -10				1		1 5		1			3 17
10 20 30 40					1	4	3				8
SUM				1	1	10	14	2			28
TIME	0.	<b>c</b> •	0.	9.5	230.0	288.€	271.3	61.3	7.0	0.	867.8
	CCLL.	STEADY	VS CO	LL FC TI VF	PEAKS	BY P	FM	195			
LESS -40 -30	LESS	10	2	O 3C	40	50	60	70	80	90	SUM
-29 -10 10 20 30 40						1	1				. 2
SIIM						1	1				2
TIME	0.	С.	0.	0.1	0,4	11.4	7.6	0.	0.	0.	19.5
	COLL.	STEADY	vs coi	L EC TIVE	PEAKS	8Y F	РМ	SUM			
LESS -40	LESS	10	20	30	40	50	60	70	80	90	SUM
-30 -20 -10				1	4	7 38	14 38	5 7			27 88
10 20 30				1	6	34 5 1	7	2			50 8 1
40 SUM				4	11	€ 5	60	14			174
TIME	0.	C.	0.	1 22 . 1	1548.2			310.5	7.3	0.	5409.1

TABLE XXI. AIRSPEED ACCELERATION VERSUS COLLECTIVE PEAKS BY MISSION SEGMENT, SAMPLE I

#### ACCELERATION VS COLLECTIVE PEAKS BY MISS. SEG. ASCENT

LFSS	LESS	-15.C	-12.0	-3°C	-6.0	-2 • C	3.C	6.0	9.0	12.0	15.0	SUM 1
-40						Ś						2
-37						9						9
-20						5 8	2					60
-10												
10					2	378	5					385
20						188	4					192
30						1						1
40												
SIJM					2	637	11					650

#### ACCELERATION VS COLLECTIVE PEAKS BY MISS. SEG. MANUVE

LESS	LFSS	-15.0	-12.C	-9.C	-6.C	-3.0	3.0	6.0	9.0	12.0	15.0	SUM
-49 -30 -29						2						2
-10 10						2						2
?0 30 40						ı						1
SUM						6						6

#### ACCELERATION VS COLLECTIVE PEAKS BY MISS. SEG. DESCHT

LFSS -49 -30 -29	LFSS	-15.C	-12.0	-9.0 1 1	-6.C 8 31 30 4	-3.0 24 165 327 284	3.0	6.0	9.0	12.0	15.0	SUM 33 197 357 288
-10 10 20					1	251 116 12						251 116 13
4 n				2	74	1179						1255

TABLE XXII. ROTOR RPM VERSUS COLLECTIVE PEAKS BY MISSION SEGMENT, SAMPLE I

#### RPM VS COLLECTIVE PEAKS BY MISSICN SEGMENT ASCENT

	LESS	180	185	1 90	195	200	205	SUM
LESS								1
-40		1	1					2
-30		4	4	1				9
-20		12	34	13	1			60
-10								
10	4	95	235	50	1			385
20	1	38	121	32				192
30		1						1
40								
SUM	5	151	356	96	2			650
TIME	14.6	731.6	1871.3	5 56 . 8	15.2	C.	0.	3189.6

#### PPM VS COLLECTIVE PEAKS BY MISSICH SEGMENT MANUVE

	LFSS	180	1.65	150	195	200	205	SUM
L F S S								
-30		2						2
-20			1					1
-10 10		1	1					2
30		1						1
30 40								
SIJM		4	2					6
TIME	າ•	14.1	41.5	0.6	).	C.	0.	56.1

TABLE XXII - Concluded

#### PPM VS CCLLECTIVE PFAKS BY MISSICN SEGMENT DESCNT

	LFSS	197	1 8 5	190	195	200	205	SUM
LFSS		A	17	7	1			33
-40	1	48	123	7 €				197
-30	7	106	187	5.8	3			357
-20		6.8	17C	44	4			288
-10								
10		59	150	41	1			251
50	3	27	72	14	2			116
30		4	6	7				13
40			•					
SIJM	5	350	725	1 C 4	11			1255
TIME	25.3	95C.6	2024.4	547.2	6.6	0.	C.	3554.2

#### RPM VS CCLLECTIVE PEAKS BY MISSICH SEGMENT STEADY

	LESS	180	1 8 5	190	195	200	205	SUM
LESS								
-40								
-30		5	19	3				27
-20		18	51	17	2			88
-10								
10	1	7	34	8				50
20		3	5					8
30			1					1
40								
SUM	1	33	110	28	2			174
TIME	41.3	1359.5	3121.0	867.8	19.5	0.	0.	5409.0

# TABLE XXIII. AIRSPEED VERSUS COLLECTIVE PEAKS BY MISSION SEGMENT, SAMPLE I

					, ,,,,,,,	350	PENT ASC	.641								
	1555	40	40	65	70	75	80	85	90	95	100	105	110	115	120	SUM 1
-47 -30	?			1												2
20	14	7	5	;	3	1	1	•	2	1						60
20	96	97 36	42 23	39 16	12	27	30	17	3	i	,					192
40 40	729	132	70	58	43	35	35	25	15	6	3					650
W.F.	510.0	715.2	413.0	398.4	304.8	253.0	221.4	161.7	118.0	67.6	22.2	3.2	0.2	0.	o. 1	189.
				F PEAKS												
LFSS	LESS	40	50		70	15	80	85	90	95	100	105	110	115	120	St
-40 -30 -20			1			1		1								
-10							2			1						
40 504						ı	2	,		1						
Int 204	0.	0.1	0.1		1.6	7.7	9.3	15.2	14.7	7.6	3.1	0.3	0.1	0.	<b>).</b>	56
				E PEAKS												
1 F S S	LFSS	40	٠,	**	70	75	90 10	£5	9C 2	95	100	105	110	115	120	3
1 F S S -40 -10	LFSS	40		+ # 4	70 4 19	75 3 26 25	90	65 13 17	12	3	1 2	1		115	120	19
1 FSS -40 -10	LFSS ? 36 47	40	6Ç	65 4 36 30	70 4 1 P	75 3 26	90 10 20	65 13	5	3	1		110		120	19
-40 -30 -30 -10	1555 27 36 47	40 1 49 150 99	5C 72 4C 71	65 4 36 30 24	70 4 19 30 10	75 3 26 25 26 26	90 10 20 10 14	65 13 17	12 12	3 4 11	1 2	1	1		120	Su 35 28 25 25
-40 -30 -30 -10 -10 -10	LFSS ? 36 47	40 ! 40 150	5C 72 4C 31	65 4 36 30 24	70 4 18 30 10	75 3 25 25 26	90 10 20 10 14	13 17 14	12	3 4 11	1 2 2	1			120	19 35 48
-40 -10 -10 -10 -10	LFSS ? 3 36 47 131 26 2	40 1 49 152 32	6C 7 72 4C 71	65 36 36 30 24 15 7 1	70 18 30 10 14 1	75 3 25 25 26 26 27 1	90 10 20 10 14 9 1	65 13 17 14 4	12 12 11 11	3 4 11 11 2	1 2 2 7	1 3 1	1 1 2	1		15 35 25 11 125
-40 -30 -30 -10 -10 -10 -10 -10 -10 -10 -10 -10 -1	LFSS ? 3 36 47 131 26 2	40 1 40 150 97	60 72 40 71	65 36 36 30 24 15 7 1	70 4 18 30 10 14	75 3 25 25 26 26 27 1	90 10 20 10 14	65 13 17 14	12 11 1	11 11 2	1 2 2 7	1 3 1	1	1	120	25
1 FSC -400 -370 -171 100 300 400 400 500 500 500 500 500 500 500 5	131 36 47 131 36 37	40 1 42 152 27 6 6 721 426-1	50 22 40 31 2 2 2 112	65 4 4 36 36 36 36 36 36 36 36 36 36 36 36 36	70 4 19 30 10 14 1 46 376,0	76 3 24 26 26 27 1 1 101 3(4,7	90 20 10 10 10 14 9 1 7	65 13 17 14 4 49 351.4	12 12 11 11	3 4 11 11 2	1 2 2 7	1 3 1	1 1 2	1		25
1 F S S - 40	LFCC   7   3   4   4   4   4   4   4   4   4   4	400 11 42 155 27 20 6 6 77 21 426-1	90 77 72 40 71 71 72 2 112 746-6	65 44 36 36 24 15 7 1 112 231.7	70 4 18 30 10 14 1 34 376,0	76 3 26 26 26 27 1 1 1 1 1 3 1 4 7	90 10 20 10 114 9 11 2 65	49 351.4	2 12 12 11 1 1 44 357.4	3 4 11 11 2 31 227.5	1 2 2 7 102.5	1 3 1	1 1 2 4.1	1 1.0	v.	12:
-40 -10 -10 -11 10 10 40 -11 10 10 10 10 10 10 10 10 10 10 10 10 1	LFCC   7   3   4   4   4   4   4   4   4   4   4	40 1 42 152 27 6 6 721 426-1	50 22 40 31 2 2 2 112	65 4 4 36 36 36 36 36 36 36 36 36 36 36 36 36	70 4 19 30 10 14 1 46 376,0	76 3 24 26 26 27 1 1 101 3(4,7	90 20 10 10 10 14 9 1 7	65 13 17 14 4 49 351.4	12 12 11 11	3 4 11 11 2	1 2 2 7	1 3 1	1 1 2	1		2 1
-40 -10 -10 -10 10 10 40 -10 10 10 10 10 10 10 10 10 10 10 10 10 1	LFCC   7   3   4   4   4   4   4   4   4   4   4	400 11 42 155 27 20 6 6 77 21 426-1	90 77 72 40 71 71 72 2 112 746-6	65 44 36 36 24 15 7 1 112 231.7	70 4 18 30 10 14 1 34 376,0	76 3 26 26 26 27 71 1 1 101 3C4•7	90 10 20 10 11 11 2 45 41 % 6	49 351.4	2 12 12 11 1 1 44 357.4	3 4 11 11 2 31 227.5	1 2 2 7 102.5	1 3 1	1 1 2 4.1	1 1.0	v.	12:
1 FSC -4n -11 -11 -11 -11 -11	LFCC   7   7   7   7   7   7   7   7   7	400 11 42 155 27 20 6 6 77 21 426-1	90 77 72 40 71 71 72 2 112 746-6	65 44 36 36 24 15 7 1 112 231.7	70 4 18 30 10 14 1 34 376,0	76 3 26 26 26 27 1 1 1 1 1 3 1 4 7	90 10 20 10 114 9 11 2 65	49 351.4	2 12 12 11 1 1 44 357.4	3 4 11 11 2 31 227.5	1 2 2 7 102.5	1 3 1	1 1 2 4.1	1 1.0	v.	12 12 3374
FSC -400 -171 -171 -171 -171 -171 -171 -171 -1	LFCC   7   7   7   7   7   7   7   7   7	400 11 42 155 27 20 6 6 77 21 426-1	90 77 72 40 71 71 72 2 112 746-6	es 44 34 36 36 36 36 36 36 36 36 36 36 36 36 36	70 4 18 30 10 14 1 34 376,0	76 3 26 26 26 27 71 1 1 101 3C4•7	90 10 20 10 11 11 2 45 41 % 6	49 351.4	2 12 12 11 1 1 44 357.4	3 4 11 11 2 31 227.5	1 2 2 7 102.5	1 3 1	1 1 2 4.1	1 1.0	v.	11 122 13754
-40 -40 -10 -11 10 40 40 40 40 40 40 40 40 40 40 40 40 40	LFCC   7   7   7   7   7   7   7   7   7	400 11 42 155 27 20 6 6 77 21 426-1	60 22 40 31 2 2 112 2444-6	es 44 34 36 36 36 36 36 36 36 36 36 36 36 36 36	70 4 18 30 10 14 1 34 376,0	76 3 26 26 26 27 71 1 1 101 3C4•7	90 10 20 10 11 11 2 45 41 % 6	49 351.4	2 12 12 11 1 1 44 357.4	3 4 11 11 2 31 227.5	1 2 2 7 102.5	1 3 1	1 1 2 4.1	1 1.0	v.	12 12 3374

672.6 771.9 747.0 647.7 694.9 493.1 557.8 717.6 933.7 40C.1 169.6 37.0 42.2 3.1

TABLE XXIV. GUST  $n_{\rm z}$  PEAKS FOR u VERSUS  $n_{\rm z}$  BY MISSION SEGMENT, ALTITUDE, AND  $C_{\rm T}/\sigma$ , SAMPLE I

GUST	NZ PE	AKS FOR	MU Y	NZ	BY PISS	ION SEGI	ENT AS	CENT,	ALTITUCE	2000, CT/S	LESS
1.3	LESS	0.00	C.05	C.1C	0.15	C.20	0.25	C.30	SUP		
1.2				1					1		
0.7 C.6					1				ı.		
SLP				1	1				2		
TIPE	5.3	2.8	4.2	10.3	13.0	4.0	C.	٥.	41.3		

eus1	NZ PE	AKS FOR	ML V	S NZ	BY PISS	ICA SEG	PENT AS	CENT,	ALTITUCE	acco, ct/s	C.Cé
	LESS	0.00	C.05	C.1C	C.15	C.20	C.25	C.30	SUP		
1.4 1.3 1.2 C.8				1	10	1 7			16		
0.7 0.6 C.5					é	9			15		
SLP				1	17	17			35		
TIPE	52.2	37.5	64.8	267.4	52E.4	261.1	4.7	0.	1237.1		

GUST	T NZ PE	AKS FOR	MU V	S NZ	BY MISS	ION SEG	PENT AS	CENT.	ALTITUCE	2000, 07/5	0.C
	LESS	0.00	C.05	c.1c	0.15	C.20	0.25	C.30	SLF		
1.3 1.2 C.8 0.7				1	1				2		
0.7						1			1		
C.6 SLP				1	1	1			3		
TIME	42.7	36.2	66.2	511.1	530.2	5.7	C . 6	0.	1221.5		

eus	T NZ PE	AKS FCR	MU V	S NZ	BY MISS	ION SEG	PENT AS	CENT,	ALTITUCE	2000
T 1	LESS	c.co	C.C5	C.1C	0.15	C.20	0.25	C.30	SLP	
1.4 1.3 1.2 C.8				3	11	1 7			21	
C.7					7	10			17	
5.5				3	15	10			4C	
TIPE	126.1	76.5	135.5	789.5	1073.5	255.6	5.4	0.	2502.1	

GUST	NZ PE	AKS FCR	PU V	S NZ	BY MISS	ION SEG	ENT AS	CENT,	ALTITUCE	5CCO, CT/S	0.06
1.3	LESS	C.CO	C.C5	C.1C	0.15	C.2G	0.25	C.30	SUP		
1.2						1			1		
C.8						3			3		
C.6 SLM						4			4		
TIPE	C.	0.	c.	15.7	113.4	116.1	C.7	0.	245.6		

GL S 1	NZ PE	AKS FOR	MU V	S NZ	BY PISS	ION SEG	PENT AS	CENT,	ALTITUCE	5CC0
	LESS	0.00	0.05	C.1C	0.15	C.2C	C.25	C.30	SUP	
1.3						1			1	
C.8						3			3	
0.6 SLP						4			4	
TIPE	c.	0.	C.6	37.2	171.3	120.6	C.7	0.	330.3	

GUS	T NZ PE	AKS FOR	MU V	S NZ	BY MISS	ION SEG	MENT AS	CENT	
	LESS	0.00	0.05	C.1C	0.15	C-20	0.25	C.30	SUP
1.4 1.3 1.2				3	11	1			1 22
0.8 0.7 C.6					7	13			20
0.5				3	19	22		•	44
TIPE	232.5	117.8	189.2	911.3	1311.7	420.0	6.C	0.	3189.6

GU S 1	NZ PE	AKS FOR	PL V	S NZ	8Y P155	ION SEG	PENT PA	NUVR,	ALTITUCE	2000, CT/S	C.Ce
	LESS	0.00	0.05	C.1C	0.15	C.20	C.25	C.30	SLP		
1.3 1.2 C.8						1			1		
C.7						1			1		
0.6 5LP						2			2		
TIPE	c.	0.	с.	0.2	8.C	26.8	C.7	0.	35.7		

GUST	NZ PE	AKS FOR	MU V	S NZ	BY #155	ION SEG	PENT PA	NUVR,	ALTITUCE	2000
	LESS	c.00	C.05	0.10	C.15	C.20	C.25	C.30	SLF	
1.3						1			1	
0.8						1			1	
0.6 SLP						2			2	
1196	c.	0.	C.	0.2	e.c	26.8	C.7	c.	35.7	

· GUST	NZ PE	KS FOR	MU V	S NZ	8Y PISS	ION SEG	PENT PA	NUVR,	ALTITUCE	SCCO, CT/S	C.Cé
1.3	LESS	0.00	C.C5	C.1C	C-15	C.20	C.25	C.30	SUP		
1.2						1			1		
0.8 C.7						•			4		
0.6 C.5 SLP	,								_		
SCP						6			6		
TIME	r.	C .	C.	Ω.	1.0	14.2	C 1	Λ.	10.2		

GUST	NZ PE	AKS FOR	PU VS	S NZ	BY MISS	ION SEG	PENT PA	NUVR,	ALTITUCE	5000
	LESS	C.CO	0.05	C.1C	0.15	C.2C	0.25	C.3C	SLF	
1.3 1.2 C.8						1			1	
C.7						•			4	
C.6										
SUP		0.		_	2.0	6		_	20.4	

GUST	NZ PE	AKS FOR	MU VS	NZ	BY MISS	ION SEG	PENT PAI	NUVR	
	LESS	0.00	0.0	C.1C	0.15	C.20	0.25	C.30	SLF
1.3						2			2
0.7						5			5
C.6						1			1
SLP						8			
	•	٥.	C .	0.2	10.1	45.1	C . B	0.	54.1

GUST	NZ PE	AKS FOR	MU V	S NZ	BY #155	SION SEG	PENT DE	SCNT,	ALTITUCE	2CCO. CT/S	LESS
	LESS	0.00	0.05	0.10	0.15	C.20	C.25	C.30	SUP		
1.4		,			1 3	4			17		
0.8 C.7						2			2		
SLP					141	6			10		
TIPE	5.8	6.4	7.0	18.9	44.6	47.9	C.3	0.	130.9		
					A		MPN - 05/	e.c.a. •		2000 57/5	0.54
GUST		IKS FCR	MU V			ION SEG				2CCO, CT/S	u.ce
1.4	LESS	0.00	0.05	c.1c	0.15	C.2G	0.25	0.30	SUP		
1.3					9	11	1		21		
0.8				1	5	12	1		15		
0.6						2			_		
SUP			<b>.</b>	1	15	26	2	_	44		
TIPE	42.7	42.9	74.4	147.1	432.6	790.3	46.1	0.	1576.1		
GUST	NZ PE	KS FOR	MU V	S NZ	BY MISS	ION SEG	MENT DE	SCAT,	ALTITUDE	2000, CT/S	0.05
1.3	LESS	0.00	C.CS	C.1C	0.15	C.20	0.25	C.30	SLF		
1.2					1	1			2		
SLP					1	1			2		
TIPE	17.6	22.6	54.5	277.C	541.3	41.C	C.3	0.	954.3		
GUST		KS FCR			BY MISS				ALTITUDE	SCCO	
1.4	LESS	c.cc	C.05	C.1C		C.2C	C.25	C.3C	SLF		
1.3					1 13	1 16	1		3C		
0.8				1	5	14	1		21		
0.6 C.5					1	2			3		
SUP				1	\$ C	33	2		56		

TIME 66.1 71.8 135.8 443.1 1019.6 875.3 46.7 0. 2662.5

CUST	NZ PE	AKS FCR	ML V	S NZ	BY P155	ICA SEG	PENT CE	SCAT,	ALTITLEE	SCCO, CT/S	C.Cé
1.3	LESS	0.00	C.C5	C-1C	0.15	C.20	C.25	C.30	SLP		
1.2					1	1			2		
0.7						2			2		
.0.6 \$LM					1	3			4		
11 P E	с.	0.	с.	7.1	86.2	203.1	12.6	0.	3C9.C		

CUST	I NZ PE	AKS FOR	ML VS	NZ	BY PISS	ION SEG	PENT CE	SCAT.	ALTITUCE	5000, CT/S	0.09
	LESS	0.00	C.C5	C.1C	C.15	C.20	C.25	C.30	SUP		
1.3 1.2 0.8 SLP					1				11		
SLP					1				1		
TIPE	c.	0.	c.	10.4	69.7	10.6	C.2	0.	91.0		

GUST	NZ PE	AKS FOR	MU V	S NZ	BY MISS	ION SEG	PENT DE	SCRT,	ALTITUDE	5000
	LESS	C.0C	0.05	C.1C	0.15	C.20	0.25	C.30	SLF	
1.3					2	1			3	
C.8						2			2	
C.6 SLM					2	3			5	
TIPE	с.	0.	c.	17.5	156.3	214.1	12.6	0.	400.7	

GUS	T NZ P	EAKS FOR	MU V	S NZ	BY MIS	SION SEG	MENT CE	SCNT	
• •	LESS	c.cc	C.C5	C.10	0.15	C-20	0.25	C.30	SUP
1.4 1.3 1.2					1 15	17	1		2 33
0.8 0.7 C.6				1	5 1	16	1		23
C.5				1	22	36	2		61
TIPE	142.4	131.C	242.2	596.6	1263.6	1116.9	60.6	0.	3554.2

GUS	T AZ PE	AKS FOR	MU VS	NZ	BY FISS	ION SEG	PENT ST	EADY,	ALTITUCE	2CCO, CT/S	C.Cé
	LESS	c.cc	C.C5	C.1C	C.15	C.2C	C.25	C.30	SLF		
1.3					2	9			11		
C.7					2	<b>5</b>			11		
0.5						1;			23		
	124 1	04 7	21 2	<b>52</b> 2	283.0		28 C	0	1941.9	,	

GLST	NZ PEA	KS FCR	PU V	S NZ	BY MISS	ION SEGI	PERT STE	ADY,	ALTITUCE	2CCO, CT/S	0.09
1 2	LESS	C.CC	C.C.	C.1C	0.15	C-20	0.25	C.30	SLF		
1.3 1.2 C.8 SUM					1				1		
SUM					1				1		
TIPE	21.8	10.8	14.2	230.C	978.9	33.6	1.3	0.	1290.8		

GUST	NZ PE	AKS FCR	ML V	S NZ	BY MIS	STON SEG	PENT ST	EACY,	ALTITUCE	2000
	LESS	C.CO	0.05	C.1C	C.15	C.20	C.25	C.30	SUP	
1.3					3	9			12	
0.8					2	9 1	٠.		11	
C.6					_	_		,		
SLF					, , , ,	15		_	24	
TIPE	162.1	99.8	36.1	263.6	1268.C	1396.9	40.2	0.	3286.6	

GLST	NZ PE	AKS FOR	PU VS	NZ	BY PISS	ION SEG	PENT ST	EACY,	ALTITUCE	5CCO, CT/S	0.06
	LESS	0.00	0.05	C.1C	C.15	C.20	C.25	C.30	SLF		
1.4 1.3 1.2						1 12	1		13		
C.8 C.7 O.6					1	16 2	2		15		
C.5 SUP					2	31	3	•	36	•	
TIPE	с.	0.	C.	11.7	322.8	1007.5	63.6	c.	1405.5		

#### TABLE XXIV - Concluded

GUST	NZ PE	KS FOR	MU V	S NZ	BY MISS	ION SEGI	ENT ST	EACY,	ALTITUCE	5000, CT/S	C.C9
1.3	LESS	0.00	0.05	0.10	0.15	C.20	C.25	C.30	SUF		
1.2					1				1		
0.7					1				1		
0.6 Sup					2				2		
TIPE	с.	0.	с.	45.9	353.3	6.6	c.	0.	405.7		

GUST	NZ PE	AKS FOR	MU VS	NZ	BY MISS	ION SEG	PENT ST	EACY,	ALTITUCE	5000
1 4	LESS	0.CO	C.C5	C.1C	0.15	C.20	C.25	C.30	SUF	
1.3					1	12	1		1 14	
0.8	,				2	16 2	2		20	
0.5 SLP					4	31	3		38	
***			•	47 4	402 0	1015 6	43 4	•	1420 0	

GUST	NZ PEA	KS FOR	MU VS	NZ	BY MISS	ION SEG	ENT ST	EACY	
1.4	LESS	0.00	0.05	c.1c	0.15	C.20	C-25	C.30	SUP
1.3					4	1 21	1		1 26
0.8 0.7 0.6 C.5					4	25 3	2		31 4
C.5 Sup					9	50	3		62

TIPE 366.2 172.9 39.1 341.8 1955.C 2414.4 1C4.C 0. 5393.4

GUST AZ PEAKS FCR PU VS NZ

LESS C.CO 0.05 C.1C 0.15 C.2C C.25 C.30 SUP

1.4
1.3
1 3 4
1.2
3 3C 48 2 83
C.8
0.7
1 14 59 3 79
0.6
C.5
SUP
4 5C 116 5 175

TIPE 754.6 426.1 470.5 1850.0 4540.3 3996.3 171.4 0. 12209.1

# TABLE XXV. GUST $n_{\rm Z}$ PEAKS FOR AIRSPEED VERSUS $n_{\rm Z}$ BY WEIGHT, ALTITUDE, AND MISSION SEGMENT, SAMPLE I

	G	UST NZ	PEAKS FO	DR VELC	CITY VS	MZ B	A PEICH.	7 21000	, ALTI	TUCE	2000. P	ISSICA	SEGPENT	ASCENT		
	LESS	40	60	65	70	75	80		90	95	100	105	110	115	120	SUM
1.3		1														1
C.8						1		1								2
9.6		1				1		1								3
TIME	5.3	7.7	4.1	3.9	2.9	7.6	5.2	1.1	8.4	4.3	C.0	0.	с.	0.	c.	56.7
													1.			
	G	UST NZ	PEAKS FO	R VELC	CITY VS	NZ 01	wEIGH1	21000	ALT1	TUCE	2000, PI	SSICH	SEGPEAT	CESCNT		
	LESS	40	60	65	70	75	80	85	90	95	100	105	110	115	120	SUM
1.4							1									1
1.2					1	1	1	1	1	2						7
0.7								1	2		1					4
SLP					1	1	2	2	3	2	1					12
TIPE	11.3	40.8	4.5	4.2	7.3	12.7	16.3	22.0	27.7	13.6	0.0	5.1	1.0	C.3	0.	145.7
	G	UST NZ I	PEAKS FO	R VELC	CITY VS	NZ EY	<b>SEIGHT</b>	21000.	ALTI	IUCE	2000					
	LESS	40	60	65	70	75	80	85	90	95	100	105	110	115	120	SUM
1.4							1			1 2 1						1
1.3 1.2 C.8		1			1	1	1	1	1	2						•
0.7 C.6						1		Z	2		1					6
SUF		1			1	2	2	3	3	3	1					15
TIFE	25.0	18.5	6.7	0.1	10.6	22.8	25.5	42.5	58.5	27.1	14.7	7.9	2.1	C.3	C.	272.3
	G	UST NZ I	PEAKS FO	R VELC	CITY VS	NZ EY	MEIGHT	21COC.	ALTI	UCE	5000, PI	SSICA	SEGPENT	ASCENT		
C.8	LESS	40	60	65	70	75	80	85	90	95	100	105	110	115	120	SUM
C.8 C.7 O.6								1								1
SIP								1								1
TIPE	с.	C.1	C	C.4	C.2	C.1	1.6	1.7	0.9	2.7	0.5	с.	c.	0.	c.	8.9
	Gu	IST NZ P	EAKS FOI	R VELCC	ITV VS	NZ EY	<b>hEIGHT</b>	21000.	ALTIT	LCE !	5000					
C.8	LESS	40	60	45	70	75	•0	85	90	95	100	105	110	115	120	SUM
C.7								1								1
SUP								1								1
1176	с.	0.1	C.5	0.4	C.5	C.9	4.8	14.4	13.6	e.e	6.3	2.7	1.	C.1	<b>c</b> .	52.7

	G	UST MZ	PEAKS F	OR VELC	CITY VS	NZ 81	<b>hEIGHT</b>	21000								
	LESS	40	60	65	70	75	80	85	90	95	100	105	110	115	120	SUM
1.4							1									1
1.2		1			1	1	1	1	1	2						•
0.6						1		3	2		1					7
SLP		1			1	2	2	4	3	2	1					16
TIPE	49.1	24.5	10.5	10.3	11.9	24.5	31.2	57.4	72.0	34.2	21.0	10.6	3.9	0.4	0.	342.3
	G	UST NZ	PEAKS F	CR VELC	CITY VS	MZ EY	welge1	230CC,	ALTI	TLCE	2000,	ISSIGN	SEGPENT	ASCENT		
1.4	LESS	40	•0	65	70	75	80	85	90	95	100	105	110	115	120	SUM
1.3					1	1			1 3							1 5
C.7			2			1	2	1	1	2						9
0.5							1									1
SLP			2		1	2	3	1	5	2						16
TIPE	35.7	58.0	25.2	28.6	38.8	32.6	35.1	28.3	28.0	13.3	3.7	0.	c.	0.	c.	331.3
	G	UST NZ	PEAKS F	OR VELC	CITY VS	AZ EY	WEIGHT	23000,	ALTE	TUCE	2000.	ISSICA	SEGMENT	PARUVR		
	LESS	40	•0	65	70	75	80	85	90	95	100	105	110	115	120	SUM
1.3										1						1
5.8										1						1
11×E	c.	с.	с.	с.	c.	с.	2.6	3.1	2.9	1.6	1.4	C.2	c.	c.	c.	11.6
	G	UST NZ	PEAKS F	OR VELC	CITY VS	NZ BY	wF1G+1	2300C,	ALTII	TLCE	2000, P	ISSICA	SEGMENT	CESCNT		
	LESS	40	•0	65	70	75	80	85	90	95	100	105	110	115	120	SUM
1.3						2	3		3	3						11
C.0		1			1	1	3	2	1	1	1					11
C.6					1 2	3	1	2	1 5	4	1					3
TIPE	::.3	1	21.7	25.2	36.8	53.5	77.1		113.4	63.C	33.4	6.4	3.1	C • 2	с.	627.4
1111	,	42.9	****		30.0	,,,,		,,,,		0.10	22.14	•••	,,,	***	••	02114
	GI	UST NZ	PEAKS FI	CR VELCO	ITY VS	NZ BY	WEIGHT	23000,	ALTII	TUE E	2000. •	1551CA	SEGPENT	STEADY		
	LESS	40	60	65	70	75	80	85	90	95	100	105	110	115	120	SUM
1.3					1			3	2							é
C.8								1	1	2						4
C.6 SLP					1			4	3	2						10

	G	UST NZ F	PFAKS FO	R VELC	CITY VS	NZ B	v weight	23000	ALTI	TUCE	2000					
	LESS	40	60	65	70	75	80	85	90	95		105	110	115	120	SUM
1.4									1							1
1.2 C.8		_			2	3	3	3		4						23
C.7		1	2		1	2	5	•	3 1	5	1					24
SUP		1	2		4	5	10	7	13	9	1					52
TIPE	167.7	101.4	46.4	55.C	03.1	100.5	166.7	217.0	294.2	166.8	52.4	7.3	3.1	0.2	c.	1469.0
		N. C		. WELC				22000	44.00							•
	LESS	UST NZ P 40	60 60	45 45	70	NZ 81	NEIGHT	23000,	ALTI	95	100	ISSICN 105	SEGPENT 110	ASCENT 115	120	SUM
C.8				•••	,,,	•		1	,,		•••	,	•••	•••		1
C.6								1								1
TIPE	с.	1.6	2.2	6.6	7.2	9.7	19.3	15.5	9.0	2.0	0.2	c.	c.	0.	c.	74.4
															-	
	-					10.2 30.	T. 1.1. 1.									
		IST NZ P					WEIGHT		ALTII		5C00, P					Et sta
C.8	LESS	40	60	45	70	75	80	85	90	95	100	105	110	115	120	SUM
0.6								1								1
TIPE	c.	0.	с.	0.	с.	c.	2.4	2.4	0.1	0.6	0.4	c.	C.1	c. '	с.	6.C
••••	••	•••	••	•••	••	••		•••	•••	•••	•••	•••	•••	••	••	•••
		IST NZ P					WEIGHT		ALTI			1351CA				
1.3	LE55	40	60	65	70	75	80	85	90	95	100	105	110	115	120	SUM
1.2 C.8 SLP						1										1
TIME	с.	2.4	4.4	2.5	3.9	9.4	16.5	26.8	22.4	17.6	4.1	1.7	с.	•	_	1
	••			•••	,,,	***	•••	20.0		.,	٠		٠.	0.	c.	112.5
	G	JST NZ P	PEAKS FO	R VELCO	SY VS	N3 64	<b>WEIGHT</b>	23000,	ALT1	TUCE	5000.	ISSICA	SECPENT	STEADY		
1.3	LES5	40	60	65	70	75	•0	85	90	95	-	105	110	115	120	SUM
1.2									3	1						4
C.7								1	2	1						1
SLF								2	5	2						9
TIFE	с.	4.7	e.C	13.2	20.0	33.8	65.6	66.0	89.7	35.0	20.4	C.1	с.	0.	c.	355.2

		UST NZ				NZ 8			•	TUCE 95	5000	105	110	115	120	e. ste
1.3	LESS	40	60	65	70	1	■0	85	90	1	100	103	110	***	120	SUM 5
0.0						•		,	2	1						6
0.4								i	-	•						1
SUP						1		•	5	2						12
TIPE	с.	8.7	12.6	22.9	31.1	52.9	103.4	110.7	121.3	57.0	25.2	1.4	C.1	0.	c.	548.1
	G	ust nz	PEAKS F	OR VELC	CITY VS	NZ B	IA PEICH	7 23000	ы							
1.4	LESS	•0	60	65	70	75	80	85	90	95	100	105	110	115	120	
1.3					2	4	3	3	11	5						1 28
C.7 C.6		1	3		1	2	5 2	7	5 1	6	1					3C 5
0.5 SLP		1	2		4	•	10	11	1.0	11	1					64
TIPE	299.5	140.0	69.8	26.1	122.5	140.0	275.3	330.5	416.2	224.3	77.7	9.2	2.2	0.2	c.	2231.3
		•														
	6	UST NZ	DEAKS E	OR VELC	CITY VS	N 2 6	Y WEIGH	1 25000	. 4171	TUCE	2000. P	ISSICA	SEGPENT	ASCENT		
	LESS	40	60	65	70	75	80	85	90	95	100	105	110	115	120	SUM
1.3		1		1	3		1		1	1						
C.8 O.7 C.6								2	1							3
SLP		1		1	3		1	2	2	1						11
TIPE	66.4	93.7	44.2	52.C	56.6	53.6	49.6	47.3	27.5	18.5	7.6	1.7	с.	O.	с.	518.7
	GL	IST NZ F	PEAKS FO	IR VELCO	ITY VS	NZ B	Y WEIGHT	25000	, ALTII	TUCE :	2000, F1	SSICA S	EGMENT	HANUVR'		
_	LESS	40	•0	65	70	75	80	85	90	95	100	105	110	115	120	SUM
0.7								1								1
SLP								1								1
TIPE	c.	0.1	C.1	0.3	1.0	1.4	1.5	4.5	6.7	3.2	C.3	C.1	с.	0.	С.	19.2
						M1 81		25000	41 7 11	nes -	2000 H1		ECHENT.	CETCHT		

		GUST NZ	PEAKS FO	R VELC	CITY VS	NZ E	Y WEIGH	T 25C00	ALTI	TUCE	2000. F	ISSICA	SEGPENT	STEADY		
	LESS	40	60	65	70	75	●0	85	90	95	100	105	110	115	120	SUM
1.3								1	1	2						4
C.8 C.7 C.6 C.5						1	1		3	1						6
SUP						1	1	1	4	4						11
TIPE	98.6	27.6	14.3	3.1	9.8	40.0	104.9	174.9	208.1	95.6	45.7	1.7	с.	c.	с.	£23.9
	(	SUST NZ	PEAKS FO	R VELC	CITY VS	NZ B	y hEIGH	7 25000	ALTI	TUEE	2000					
	LESS	40	•0	65	70	75	80	85	90	95	100	105	110	115	120	SUM
1.4					4		2	1	3	é	1	1				19
0.8		1		1	•	1	2	3	5	3	1	•				15
0.6						•	•	•	•	í	•					·i
SLP		1		1	4	1	4	4	8.	10	2	1				36
TIPE	229.4	173.7	84.£	79.4	105.0	150.9	234.7	328.9	342.0	190.4	<b>83.5</b>	13.2	1.8	0.3	c.	2018.0
	,	11:CT A7	PEAKS FO		C17V 45	NZ E	Y WEIGH	2500C-	ALTE	71.06	5000. F	ISSICA :	SECHELI	ASCENT		
	LESS	40	60	65	70	75	80	85	90	95	100	105	110	115	120	SUM
1.3	2233	40		•	.•			•	1		•••				•	1
C.B									1							1
TIPE	с.	3.4	3.C	5.6	10.9	12.4	15.2	17.9	11.6	7.0	1.4	C.1	C.i	c.	c.	92.7
			PEAKS FO		CITY VS	MZ E		25000,	ALTI		5000, P		ECMENT	PANLVR		
C.8	LE55	40	•0	65	70	75	80	85	90	95	100	105	110	115	120	SUM
0.6							1	1		1	1					3 1
C.5 SLF							1	1		1	1					4
TIPE	C .	0.	c.	٥.	c.	с.	1.C	3.7	2.1	1.4	1.0	c.	c.	c.	c.	5.2
								•								
		GUST NZ	PEAKS FO	R VELC	CITY VS	NZ B	Y WEIGH	1 25000	ALTI	TUCE	5000. P	ISSICA	SEGMENT	CESCNT		
1.3	LESS	40	60	65	70	75	80	85	90	95	100	105	110	115	120	SUM
1.2										1						1
0.7 C.6								1		1						2
SUP								1		2						3
TIPE	с.	0.2	1.3	3.2	7.4	11.3	13.5	21.3	28.5	14.4	11.0	4.7	1.8	c.o	c.	119.1

		GUST AZ	PEAKS F	OR VELO	CITY VS	NZ (	Y WEIGH	1 25000	, ALTI	TUCE	5000, P	ISSICA	SEGPENT	STEADY		
	LESS	<b>4</b> 0	60	65	70	75	●0	85	90	95	100	105	110	115	120	SUM
1.3					1.1			1	3	2	2					1
0.8 C.7							1	1	3	1						ŧ
SLP							1	2	7	3	2					15
7176	с.	1.3	1.1	5.9	15.2	23.7	97.7	170.3	228.8	70.e	21.5	7.2	12.5	1.7	с.	667.6
		GUST NZ	PEAKS F	CR VELO	CITY VS	NZ 6	Y MEIGH	T 25000	, ALTI	TUCE	5000					
1.4	LESS	40	•0	65	70	75	80	85	90	95	100	105	110	115	120	SUM
1.3								1	1 4	3	2					10
C.8 C.7 C.6							1	3	3	3	1					11
0.5							2	4		6	3					23
TIPE	c.	5.0	5.3	14.7	33.5	57.5	131.8	213.2	270.5	93.5	34.9	12.0	14.6	1.8	c.	888.6
						-										
	LESS	40 TZU3	PEAKS P	OR VELC	CITY VS 70	N2 E	Y WEIGH		-	112						F2. 1.
1.4	6633		•0	• • • •	70	13	•0	85	90	95	100	105	110	115	120	SUM 2
1.2		1		1	4		2	2	7	9	2	1				29
0.7						1	1	6	•	1	2					26 2
0.5 SLP		1		1	4	1	é		16	16	5	1				59
TIPE	448.4	220.0	106.7	103.2	148.5	219.4	374.8	546.4	615.7	284.4	116.9	25.2	16.4	2.1	с.	3230.0
		HET ME	PEAKS F	na veir	CITY VS	NZ E	Y WEIGH	1 27000	, 4LTI	<b>T</b> 1 C 6	2000, #	166164	88C#6A1	ASCENT		
	LESS	<b>40</b>	60	65	70	75	•0	85	90	95	100	105	110	115	120	SUM
1.3 1.2 C.8							3	1			•••	•		•		4
0.7					1	1										2
O.E SLP					1	1	3	1								.6
TIPE	21.6	53.4	21.6	28.4	29.6	40.1	35.7	28.5	15.5	7.4	4.4	C.é	с.	c.	с.	3Ce.0
	C	ust NZ	PEAKS FI	DR VELC	CITY VS	NZ E	Y WEIGH	1 27000	, ALTI	TLCE	2C0G, P	ISSICA	SEGMENT	CESCNT		
1.3	LESS	40	60	65	70	75	80	85	90	95	100	105	110	115	120	SUM
1.2					1	1		1								3
0.6					•			1		1						1
SLP					1	1		•		•						•

	G	UST NZ	PEAKS FO	OR VELO	CITY VS	hz a	, PEICH	7 27000	. ALTI	TUCE	2000.	ISS ICA	SECPENT	STEADY		
	LESS	4.1	60	65	70	75	80	85	90	95	100	105	110	115	120	SUM
1.3						1										1
C.8						1										1
C.6 SLP						2										2
TIPE	20.3	11.5	5.2	5.8	14.8	27.5	54.9	108.0	123.3	93.7	40.7	12.4	C.1	0.	c.	522.2
	-		PEAKS FO					1 27000			2000					18000
1.3	LESS	40	60	65	76	75	•0	85	90	95	100	105	110	115	120	
0.8					1	2	3	2		_						
0.7 C.6					1	2		_		1						4
SLF					2	4	3	2		1				_	-	15
TIPE	70.3	40.C	48.4	46.4	58.C	e2.7	114.5	166.7	171.7	124.8	52.C	15.1	C.1	c.	٥.	1030.7
	G	UST NZ	PEAKS FO	OR VELC	CITY VS	N2 8	* WEIGH	1 27000	, ALTI	TLCE	5000,	1551CA	SEGMENT	ASCENT		
C.8	LES5	40	60	65	70	75	80	85	90	95	100	105	110	115	120	SUM
C.7									1							1
SLP									1							1
TIPE	c.	4.5	3.1	2.4	3.2	5.1	12.1	7.3	13.2	0.3	2.3	0.2	c.	0.	c.	42.C
	G	UST NZ	PEAKS FO	CR VELC	CITY VS	N 2 8	w WEIGH	1 27000	, peti	TUCE	5000, 1	ISSICA	SEGPENT	PANUVR		
	LESS	40	60	65	70	75	80	85	90	95	100	105	110	115	120	SUM
1.3										1						` 1
SLP										1						1
TIPE	с.	0.	с.	0.	0.5	C.3	0.1	0.5	0.0	C.5	0.	c.	0.	с.	C.	2.6
	GI	JST NZ F	PEAKS FO	R VELCO	ITY VS	NZ E	, WEIGH	1 27COC	, ALTI	TUCE	5000. P	ISSICA	SEGPENT	STEADY		
	LESS	40	60	65	70	75	80	85	90	95	100	105	110	115	120	SUM
1.3									À							1
C.8 C.7 O.6							1		1	3	2					7
C.5							1 2		2	1	2					2
11#E	۲.	0.	c.	1.5	2.4	7.4	35.1	52.5	65.5	53.0	12.C	8.5	27.5	1.4	с.	10 27e.0
							-									

GUST NZ PEAKS FOR VELCCITY VS NZ BY NEIGHT 27000. ALTITUCE 5000  LESS 40 60 65 76 72 80 85 90 95 100 105 110 115  1.3 1.2 0.8 0.7 1 1 2 3 2 0.6 0.5 SLP 2 3 5 2  TIPE C. 5.0 4.1 7.4 9.4 16.1 61.0 68.9 89.3 74.4 17.6 10.2 28.5 1.4	
1 1 1 0.8 C.7 C.7 C.4 C.7 C.7 C.4 C.7 C.7 C.4 C.7 C.7 C.4 C.7 C.4 C.7 C.7 C.4 C.7 C.7 C.4 C.7	120 SUP
C.7 0.6 0.5 SLP 2 3 2 1 0 0 1 1 0 1 0 5.5 SLP 2 3 7 7 TIPE C. 5.0 4.1 7.4 9.4 16.1 61.0 68.9 89.3 74.4 17.6 10.2 28.5 1.4  GUST NZ PEAKS FOR VELCCITY VS NZ EV NEIGHT 27000 LLSS 40 60 65 70 75 80 85 90 95 100 105 110 115	7
0.5 SLP 2 3 5 2 TIPE C. 5.0 4.1 7.4 9.4 16.1 61.0 68.9 89.3 74.4 17.6 10.2 28.5 1.4 GUST NZ PEAKS FOR VELCCITY VS NZ 27 NEIGHT 27000 LLSS 40 60 65 70 75 80 85 90 95 100 105 110 115	!
TIPE C. 5.0 4.1 7.4 9.4 16.1 61.0 68.9 89.3 74.4 17.6 10.2 28.5 1.4  GUST NZ PEAKS FOR VELCCITY VS NZ EV NEIGHT 27000  LESS 40 60 65 70 75 80 85 90 95 100 105 110 115	
GUST NZ PEAKS FOR VELCCITY VS. NZ 27 WEIGHT 27000 LESS 40 60 65 70 75 80 85 90 95 100 105 110 115	0. 393.1
LESS 40 60 65 70 75 80 85 90 95 100 105 110 115	
1.3	120 SUM
1.2 1 2 3 2 1 1 0.8 0.7 1 2 1 2 4 2	10
0.6	12
C.5 SUP 2 4 5 2 3 6 2	24
TIPE 160.7 115.1 60.1 64.2 74.3 103.0 177.9 237.3 264.5 200.4 70.3 25.4 28.6 1.4	0. 1583.3
GUST HZ PEAKS FOR VELECITY VS HZ BY WEIGHT 29000, ALTITUCE ZODO, MISSICH SEGMENT ASCENT	
LESS 40 60 65 70 75 80 85 90 95 100 105 110 115	120 SUN
1.3 1.2 C.0	1
SLP 1	1
TIPE 9.1 6.5 6.1 5.3 4.9 3.0 3.6 0.9 0.1 0. 0. C. C. C.	C. 39.4
GUST NZ PEAKS FOR VELCCITY VS. NZ BY WEIGHT 29000, ALTITUDE 2000	
LESS 40 60 65 70 75 80 85 90 95 100 105 110 115	120 SUM
1.3 1.2	1
C.8 SUP 1	1
TIME 22.9 9.2 7.4 7.0 9.2 7.2 8.9 9.3 21.6 7.9 0. C. C.	
	C. 11C.2
GUST NZ PEAKS FOR VELCCITY VS NZ BY NEIGHT 29000, ALTITUDE 5000, PISSICH SEGMENT STEADY	c. 11c.2
LESS +C 60 65 70 75 80 85 90 95 100 105 110 115	C. 11C.2

	G	UST NZ	PEAKS F	OR VELC	CITY VS	NZ E	NEIGHT	29000,	ALTII	ruce !	3000					
	LESE	40	63	65	70	75	80	85	90	95	100	105	110	115	120	SUM
0.0												2				2
0.4 SLP												2				2
TIPE						11.2	35.2	22.6	10.5	2.2	1.9	1.4	c.	c.	0.	59.6
TIPE	с.	C.9	c.s	3.4	9.2	11.4	3712	22.0	10.5	***	,	•••	••	••	٠.	77.0
	G	UST NZ	PEAKS F	OR VELC	CITY VS	NZ EY	NEIGHT	29000								
1.3	LESS	40	60	65	70	75	80	85	90	95	100	105	110	115	120	SUM
1.2					1											1
0.7 C.6												ž				2
SLP					-1							2				3
TIPE	38.2	14.5	£.7	11.3	18.5	19.1	44.C	32.1	32.1	9.8	2.5	1.4	с.	c.	c.	232.3
	G	UST NZ	PEAKS F	OR VELC	CITY VS	NZ EY	<b>hEIGHT</b>	37CCC,	ALTIT	LEE 2	:coo, #1	SSICN S	EGPENT	ASCENT		
	LESS	40	60	65	70	75	80	85	90	95	100	105	110	115	120	SUP
1.3		1														1
C.8									1							1
C.6		1														2
TIPE	11.3	31.0	31.3	37.1	15.3	12.6	3.7	0.0	0.5	2.1	0.5	C.6	c.	c.	0.	151.4
	G	UST NZ	PEAKS F	OR VELC	CITY VS	NZ 81	r hEIGHT	37C0C,	ALT 11	ruce a	2000					
	LESS	40	60	65	70	75	80	85	90	95	100	105	110	115	120	SUP
1.3 1.2 C.8		1														1
0.7									1							1
C.6 SUP		1							1							2
TIPE	32.4	e1.5	104.4	141.6	92.2	50.4	26.1	4.3	1.9	4.2	4.4	1.4	0.	c.	с.	553.2
	G	IST NO	PEAKS F	ne veic	CITY 48	W) #Y	<b>LEIGHT</b>	37000								
	LESS	40		65	70	75	80	85	60							_
1.3		1		9,		, -	90	•,	90	95	100	105	110	115	120	Suh.
0.0		•														1
0.7 C.6		_							1							1
SUP		1							1							2
TIME	62.3	97.2	111.4	155.3	108.5	73.7	24.5	4.0	6.C	4.1	5.4	1.6	с.	0.	c.	663.C

		GUST NZ	PEAKS	FOR VELI	CITY VS	NZ B	Y WEIGHT	38000,	ALTI	TUCE	2000, P	ISSICA	SEGPENT	CESCNT		
	LESS	40	•0	65	70	75	80	85	90	95	100	105	110	115	120	SUM
1.3								1								1
SLP								1								1
TIPE	16.8	47.9	23.0	38.0	29.1	23.5	14.6	4.0	1.7	0.5	0.	٥.	с.	c.	с.	211.1
		GUST AZ	PEAKS	FOR VEL	CCITY VS	MZ E	V WEEGHT	38CCC.	ALTI	TLCE	2000					
1.3	LESS	*^	60	65	70	75	●0	85	90	95	100	105	110	115	120	SUM
1.2								1								1
SLP								1								1
TIPE	56.4	154.8	132.1	151.0	110.0	57.0	34.2	0.3	2.4	0.5	0.	с.	c.	c.	c.	757.0
		GUST NZ			CCITY VS	NZ B	* MEIGHT	38C0C,	ALTI	TUDE	5000. P	ISSICA	SEGMENT	STEADY		
1.3	LESS	40	•0	65	70	75	80	85	90	95	100	105	110	115	120	SuM
1.2					1											1
SLP					1											1
TIPE	с.		3.5	32.5	23.6	16.3	3.0	0.7	c.	0.	0.	0.	с.	0.	c.	
	,	SUST AZ	PEAKS F		CITY VS	NZ BY	NE IGHT	20000	ALTIT	1.06	5C0C					
	LESS	40	60	65	70	75	80	85	90	95	100	105	110	115	140	SUM
1.3			•••	•	1				MT.	•••		,	•••	•••		1
C.B					1											1
TIPE	с.	16.1	10.8	28.3	29.3	19.4	5.4	1.5	0.4	c.	0.	с.	с.	c.	c.	
TIFE		10.1	10.6	30.3	24.3	1744	7.4	1.,	0.4	••	٠.	٠.			٠.	121.2
	c	UST NZ	PEAKS F	OR VELC	CITY VS	NZ EY	MEIGHT	38000								
			60			75	80	85	90	95	100	105	116	115	120	SUM
1.3					1			1								2
C.B					1			1								2
	94.5	193.0	150.4	192.5	150.0	117.6	39.9	9.0	2.0	C.5	с.	c.	с.	0.	с.	951.6
-																

GUST NZ PEAKS FOR VELCCITY VS NZ BY WEIGHT 39000, ALTITUCE ZCOC, MISSICH SEGMENT CESCHT

1.3 1.2 C.8 SLF	LESS	<b>⇔</b> 0	60	65	70 1	75	80	85	90	95	100	105	110	115	120	Sum 1
TIPE	12.3	45.7	24.2	24.3	27.6	20.4	10.1	3.2	0.7	0.4	0.	с.	C.	с.	C.	168.9
		UST NZ	DEAYS E	ne velc	CITY US	NZ 81	, PEICF1	39000.	ALTI	rucs 1		ssirm e	SCHEAT	STEADY		
	LESS	40	60	65	70	75	■0	85	90	95	100	105	110	115	120	SUM
1.3 1.2 C.8 SLP				1												1
1176	2.0	24.4	25.6	53.1	52.6	36.5	19.7	2.7	2.1	0.	c.	с.	с.	0.	c.	224.5
1.3 1.2 0.6 SLP	51.4	40 40 147.4	PEAKS F 60	OR VELC 65 1 1	70 1 1 1	NZ 8 75 73.3	9 bEIGHT 80 32.8	7 39000. 85 6.2	ALTI' 90	95 95 0-4	100 0.	105 C.	110 c.	115 c.	120	SUM 2 2 639.4
	G	uST AZ f	PEAKS FO	OR VELCO	ITY VS	NZ EY	<b>LEIGHT</b>	39COC.	ALTIT	LCE 5	COO. MI	SSICN S	EGPENT	CESCNT		
	LESS	40	60	65	70	75		85	90	95	100	105	110	115	120	SUM
1.3					1											1
SLP					1											1
TIPE	(,	0.7	4.8	5.0	6.3	c.7	C.5	C.1	C-3	0.	0.	с.	с.	0.	c.	18.5
	G	UST NZ	PFAKS F	CR VELC	CITY VS	NZ E	r WEIGHT	39000,	ALTE	ruce !	icoo					
1.3 1.2 C.8 SLF	LESS	40	60	65	70 1 1	75	•0	85	90	95	100	105	110	115	120	Sum 1
TIPE	с.	7.4	27.3	50.€	37.6	18.6	3.4	C.1	0.2	0.	C.	0.	c.	c.	c.	141.2

	(	GUST NZ	PEAKS F	CR VELC	CITY VS	NZ BY	<b>hEIGHT</b>	39000								
	LESS	40	•0	65	70	75	80	85	90	95	100	105	110	115	120	SUM
1.3				1	2						•••	•••	•••			3
C.8				1	2											3
											_		-	-		
TIPE	94.1	171.0	123.7	173.7	146.1	53.9	37.C	6.4	3.2	0.4	0.	с.	c.	0.	С.	849.5
	(	GUST NZ	PEAKS F	OR VELC	CITY VS	MS BA	MEIGHT	40000.	ALTI	TUCE	2000. P	ISSICA	SEGPENT	ASCENT		
	LESS	40	60	45	79	75	80	85	90	95	100	105	110	115	120	SUM
1.3			1													1
SLP			1													1
TIPE	50.4	156.9	83.C	51.3	27.0	15.5	10.0	1.0	0.1	0.	0.	c.	c.	c.	c.	395.5
		•					-									
		MT	PEAKS F				WEIGHT	45566	ALTI		2000					
						75	80	85	90	95	100	105	110	115	120	SUM
1.3	LESS	40	60	65	70	,,	•0	• 7	70	72	100	107		•••		
1.2			1													1
SUP			1													1
TIPE	87.1	257.3	149.2	194.4	152.1	72.8	37.3	5.6	3.1	1.0	0.5	0.	c.	0.	c.	920.4
		GUST NZ	PEAKS P	OR VELC	CITY VS	M Z . 8 Y	HEIGHT	40000,	ALTI	TLEE	5000. P	431221	SECPENT	STEADY		
	LESS	40	<b>⊕</b> 0	65	70	75	80	85	90	95	100	105	110	115	120	SUM
0.7						1										1
G.4 SLP						1										1
TIPE	c.	0.2	12.2	36.7	4C.1	26.6	13.2	0.2	c.	0.	0.	c.	c.	c.	c.	137.3
	•••		-									•		**	•	
		UST AF	PEAKS F		C   T V U C	M2 Av	FEIGHT	AFCER:	ALTIT		5000					
												105	110			
0.0	LESS	40	•0	65	70	75	80	85	90	95	100	105	110	115	120	SUM
0.7						1										1
SLP						1										1
TIPE	6.5	12.0	14.0	47.C	45.7	35.4	17.2	1.0	0.2	0 -	0.	C .	C -	c .	0	100 0

## TABLE XXV - Concluded

		GUST NZ	PEAKS F	OR VELC	CITY V	S NZ	BY WEIG	HT 4000	0							
	LESS	40	<b>⊕</b> 0	45	70	75	80	85	90	95	100	105	110	115	120	BUR
1.3			1													1
C.6						1										1
C.6			1			1										2
TIPE	139.9	292.4	170.C	208.7	205.2	109.0	55.0	7.1	3.3	1.0	0.5	c.	c.	0.	c. 1	194.3
		GUST NZ	PEAKS F	OR VELC	CITY VS	. NZ										
1.4	LESS	40	60	65	70	75	80	35	90	95	100	105	110	115	120	SUM
1.3 1.2 C.0		3	1	2	12	7	1	•	20	17	1 2	1				43
0.7		1	2		2	7	;	16 1	10	14	4	2				79
0.5 SLP		4	3	2	15	14	23	26	41	35	•	3				175
71PE	1540.2	1433.2	927.6	1133.1	1121.3	1058.7	1106.1	1246.0	1423.9	762.9	294.5	73.2	52.2	4.1	0. 12	209.1

TAB	LE X								RSUS n <sub>z</sub>	BY MISSIC	N
PARELVER	NZ PE	AKS FCR	MU VS	NZ	BY MISS	ION SEGI	MENT AS	CENT,	ALTITUCE	LESS, CT/S	LESS
	LESS	c.co	0.05	C.1C	0.15	C.20	C.25	C.30	SUP		
1.3 1.2	1			1					2		
0.8 SLP	1			1					2		
TIPE	1.2	0.	C • 2	0.2	с.	с.	с.	c.	1.5		
****	***	••		0.2		••	••	••	•••		
PARELVER	NZ PE	AKS FOR	MU VS	NZ	BY PISS	ICN SEGI	PENT ASI	CENT,	ALTITUCE	LESS, CT/S	0.06
1.3	LESS	0.00	C.C5	C.1C	0.15	C.20	C.25	C.30	SUP		
1.2	2								2		
0.8 SLP	2								2		
TIPE	6.2	2.C	1.4	2.C	2.4	С.	c.	0.	14.0		
PARELVER	NZ PE	AKS FCR	MU VS	NZ	BY MISS	ION SEGI	MENT ASC	CENT,	ALTITUCE	LESS	
	LESS	c.co	C.C.	C.1C	C.15	C.20	0.25	C.30	SUP		
1.3	3			1					4		
C.O SLP	3			1					4		
TIPE	15.4	2.6	3.6	4.5	4.7	c.	c.	0.	30.8		
PARELVER	NZ PE	AKS FOR	MU VS	NZ	BY PISS	ION SEGI	PERT ASI	CENT,	ALTITUCE	1CCO, CT/S	LESS
1.4	LESS	0.00	C.05	C.1C	0.15	C.20	C.25	C.30	SUF		
1.3		1		12					1		
0.8	2	1		1					4		
SUP	2	2		1					5		
TIPE	5.7	3.0	6.4	2.7	1.4	C.	С.	0.	19.1		
PAREUVER	NZ PE	AKS FOR	MU VS	NZ	BY MISSI	ION SEG	PENT ASC	ENT,	ALTITUCE	icco, ct/s	0.6
	LESS	C.CO	C.C.	c.1c	0.15	C.20	0.25	C.30	SLF		
1.3	11	7	1	2	2	1			24		
C.B SLP	11	7	1	2	2	1			24		
TIPE	41.4	18.7	26.3	41.6	30.1	2.8	c.	0.	160.7		

PANELVER	NZ PEA	KS FCR	MU VS	NZ	BY PISSI	ON SEGI	ENT ASC	CENT,	ALTITUCE	1cco. ct/s	0.09
	LESS	C.CO	C.C5	C.1C	C.15	C.2C	C.25	C.30	SUP		
1.3 1.2	1								1		
9.0 Yuz	-								1		
367	•								•		
TIPE	44.9	17.1	16.5	35.8	3€.€	1.0	0.	0.	146.5		

PARELVER	NZ PEA	KS FOR	MU VS	NZ	BY MISSI	ON SEGN	ENT AS	CENT,	ALTITUDE	1000
1.4	LESS	c.co	C.C5	c.1c	C.15	C.20	C.25	C.30	SUP	
1.3	14	1 6	1	3	2	1			1 29	
0.8 SLP	14	Ģ	1	3	2	1			3 C	
TIFE	92.0	38.8	49.6	<b>£0.1</b>	62.2	3.0	<b>c.</b>	0.	326.4	

PARELVER	NZ PE	KS FOR	PU VS	NZ	BY PISS	ON SEG	MENT AS	CENT,	ALTITUDE	2000, CT/S	LESS
	LESS	0.CC	0.05	C.1C	C.15	C.ZC	C.25	C.30	SUP		
1.5									•		
1.3									†		
1.4 1.3 1.2	1 5	3			4				12		
0.8		-			•						
C.7	1								1		
0.6											
SUP	8	3			4				15		
TIPE	51.3	2.8	4.3	10.3	13.8	4.9	C.	0.	41.3		

### PANELVER NZ PEAKS FGR MU VS NZ BY MISSION SEGMENT ASCENT, ALTITUDE 2000, CT/S G.C6

LESS C.CO C.C5 C.1C 0.15 C.20 0.25 G.30 SUM

1.5
1.4
1.3
1.1
2.2
2.6
1.2
17 13 2 7 14 11 64
C.8
C.7
C.8
C.7
1 7 5 13
C.6
SUM 17 14 2 11 21 18 84

MANEUVER	NZ PE	AKS FOR	MU VS	NZ	BY #1551	ON SEGI	ENT ASC	ENT,	ALTITUCE	2CCO, CT/S	0.09
1.5	LESS	c.co	0.05	C.10	0.15	0.20	C.25	C.3C	SLM		
1.4					1				1		
1.2	3	1		1	1				é		
0.8 SLP	3	1		1	2				7		
TIPE	67.7	36.2	66.3	511.1	530.2	5.7	C.6	0.	1221.9		

MANEUVER	NZ	PEAKS	FOR	MU V	S NZ	BY MISS	ION SEG	PENT AS	CENT,	ALTITUCE	2000
	LES	s c	.cc	C.C5	C.1C	0.15	C.20	0.25	C.30	SUM	
1.5											
1.4		1			1	1				3	
1.3		1	1	1	2		2			7	
1.2	2	5	17	2		1	11			82	
0.8											
0.7		1			1	7	5			14	
C.6		_			-	•	_				
SLP	2	8	18	?	12	27	18			106	
TIME	126.	1 7	6.5	135.5	789.5	1073.5	255.6	5.4	0.	2502-1	

PARELVER	NZ PE	KS FOR	MU VS	NZ	87 MISS	ICN SEG	PENT AS	CENT,	ALTITUCE	50CO, CT/S	C.Cé
	LESS	C.CC	C.C5	C.1C	C.15	C-20	C.25	C.30	SLM		
1.3						3			3		
0.B C.7					7	1			8		
0.6 C.5						1			1		
SUM					7	5			12		
TIPE	с.	0.	c.	15.7	113.4	116.1	C.7	C.	245.8		

MAREUV	ER NZ PE	AKS FOR	MU V	S NZ	BY MISS	ION SEG	PENT AS	CENT,	ALTITUCE	5000
	LESS	0.00	0.05	C.1C	0.15	0.20	C.25	C.30	SLM	
1.3 1.2						3			3	
C.8 C.7					7	1			e	
0.6 C.5						1			1	
SLF					7	5			12	
TIPE	C.	0.	C.é	27.2	171.3	120.6	C.7	0.	330.3	

PAREUVE	R NZ PE	AKS FOR	MU V	S NZ	BY MISS	104 SEG	MENT AS	CENT			
	LESS	0.00	0.05	C.1C	C.15	C.20	0.25	C.30	SLP		
1.5			••••			****	0.02				
1.4	1	2	1	1 2	1	2		•	3		
1.2	42	25	3	12	21	15			118		
C.8	_										
C.7	1			1	14	6			22		
0.6 C.5						•			1		
SUP	45	27	4	16	36	24			152		
TIPE	222.5	117.8	189.2	911.3	1311.7	42C.C	6.C	0.	3189.6		
MAREUVE	R NZ PE	AKS FOR	MU V	S NZ	BY MISS	ION SEG	PENT PA	NLVR,	ALTITUE	2CCO, CT/S	0.Cé
1.6	LESS	C•C0	0.05	C.1C	0.15	C.20	0.25	C.30	SLP		
1.5					1	1			2		
1.4					1				1		
1.3					1 2	10			12		
C.8					-	••					
0.7						6			6		
0.6						1			1		
SUP					5	18			23		
TIME											
1476	с.	0.	с.	0.2	e.c	26.8	C.7	0.	35.7		
PARELVE			MU A		BY MISS				35.7	zcco	
PARELVE										2000	
PARELVE	R NZ PE	AKS FCR	MU V	S NZ	0.15	ION SEGI	PENT PAI	NUVR,	ALTITUDE SLP	2000	
PARELVE	R NZ PE	AKS FCR	MU V	S NZ	BY MISS	ION SEG	PENT PAI	NUVR,	ALTITUDE	SCCO	
1.6 1.5 1.4	R NZ PE	AKS FCR	MU V	S NZ	0.15 1 1	ION SEGI C.20 1	PENT PAI	NUVR,	ALTITUDE SLP 2 1 1	2000	
1.6 1.5 1.4 1.3	R NZ PE	AKS FCR	MU V	S NZ	BY MISS 0.15 1	ION SEGI	PENT PAI	NUVR,	ALTITUDE SLP 2	zcco	
1.6 1.5 1.4	R NZ PE	AKS FCR	MU V	S NZ	0.15 1 1	ION SEGI C.20 1	PENT PAI	NUVR,	ALTITUDE SLP 2 1 1	zcco	
1.6 1.5 1.4 1.3 1.2 C.8 0.7	R NZ PE	AKS FCR	MU V	S NZ	0.15 1 1	ION SEGI	PENT PAI	NUVR,	ALTITUDE SLP 2 1 1 1 12	zcco	
1.6 1.5 1.4 1.3 1.2 C.8 0.7	R NZ PE	AKS FCR	MU V	S NZ	0.15 1 1	ION SEGI	PENT PAI	NUVR,	ALTITUDE SLP 2 1 1 1 12 6	zcco	
1.6 1.5 1.4 1.3 1.2 C.8 0.7 0.6 C.5	R NZ PE	AKS FCR	MU V	S NZ	0.15 1 1 1 2	C.20 1 1C 6	PENT PAI	NUVR,	ALTITUDE SLP 2 1 1 1 12 6 1	zcco	
1.6 1.5 1.4 1.3 1.2 C.8 0.7 0.6 C.5 'SLP	R NZ PE LESS	AKS FCR C.CC	MU V C.C5	S NZ C.1C	8Y MISS 0.15 1 1 1 2	10N SEGI C.20 1 1C 6 1 18 26.8	PENT PAI 0.25 C.7	0.	SLP 2 1 1 12 6 1 23 35.7	2CCO, CT/S	C.Cé
1.6 1.5 1.4 1.3 1.2 C.8 0.7 0.6 C.5 'SUP	R NZ PE LESS	O.  AKS FOR	MU V C.C5	S NZ C.1C	BY MISS 0.15 1 1 1 2 5 8.C	10N SEGI C.20 1 1C 6 1 18 26.8	PENT PAI 0.25 C.7	C.30	SLP 2 1 1 12 6 1 23 35.7		C.Cé
1.6 1.5 1.4 1.3 1.2 C.8 0.7 0.6 C.5 'SLP TIPE	R NZ PE LESS C.	AKS FOR	C. MU V	S NZ C.1C	BY MISS 0.15 1 1 1 2 5 8.C	10N SEGI C.20 1 1C 6 1 18 26.8 7CN SEGI C.20	C.7	C.30	ALTITUDE SUP  2 1 12 6 1 23 35.7 ALTITUDE SUP		C.Cé
1.6 1.5 1.4 1.3 1.2 C.8 0.7 0.6 C.5 'SUP TIPE PAREUVE	R NZ PE LESS C.	AKS FOR	C. MU V	S NZ C.1C	BY MISS 0.15 1 1 1 2 5 8.C	10N SEGI C.20 1 1C 6 1 18 26.8	C.7	C.30	ALTITUDE SLP 2 1 1 12 6 1 23 35.7 ALTITUDE		C.Cé
TANELVE  1.6 1.5 1.4 1.3 1.2 C.6 C.5 'SLP TIME  MANEUVE  1.3 1.2 C.8 C.7	R NZ PE LESS C.	AKS FOR	C. MU V	S NZ C.1C	BY MISS 0.15 1 1 1 2 5 8.C	10N SEGI C.20 1 1C 6 1 18 26.8 7CN SEGI C.20	C.7	C.30	ALTITUDE SUP  2 1 12 6 1 23 35.7 ALTITUDE SUP		C.Cé
PANELVE  1.6 1.5 1.4 1.3 1.2 C.8 C.5 'SLP TIPE  PANELVE  1.3 1.2 C.8 C.7 C.6	R NZ PE LESS C.	AKS FOR	C. MU V	S NZ C.1C	BY MISS 0.15 1 1 1 2 5 8.C	10N SEGI C.20 1 1C 6 1 18 26.8 7CN SEGI C.20	C.7 PENT PAGE C.25	C.30	ALTITUDE SLP 2 1 1 12 6 1 23 35.7 ALTITUDE SUP 1 7		C.Cé
TANELVE  1.6 1.5 1.4 1.3 1.2 C.6 C.5 'SLP TIME  MANEUVE  1.3 1.2 C.8 C.7	R NZ PE LESS C.	AKS FOR	C. MU V	S NZ C.1C	BY MISS 0.15 1 1 1 2 5 8.C	10N SEGI C.20 1 1C 6 1 18 26.8 7CN SEGI C.20	C.7 PENT PAG	C.30	ALTITUDE SLP 2 1 1 12 6 1 23 35.7 ALTITUDE SUP		C.Cé

PARELVER	NZ PEA	KS FCF	ML VS	NZ	BY P1551	CA SEGI	ENT MAR	ILVR,	ALTITUCE	5000
1.3	LESS	C.CO	0.05	C.1C	0.15	C.20	C.25	C.30	SLM	
1.2						1			1	
C.7						6	1		7	
SLM						7	1		8	
TIPE	c.	0.	c.	0.	2.0	18.3	C.1	٥.	20.4	

		_				
PARELVER NZ	PEAKS FOR	MU VS	N Z	BY MISSICN	SEGMENT	MANUVR

	LESS	C.CO	C.C.	C.10	0.15	C.2C	C.25	C.30	SLM
1.6 1.5 1.4					1	1			2
1.3					1 2	11			i 13
C.8						12	1		13
C.5						1			1
SUP		•	•	. 1	5	25	1	•	31

#### MARELVER NZ PEAKS FOR ML VS NZ BY MISSION SEGMENT CESCAT, ALTITUDE LESS, CT/S O.CS

	LESS	O.CC	C.05	C.1C	C.15	C.20	C.25	C.3C	SLM
1.3 1.2 C.8		1							1
SLP		1							1
TIME	ž -1	1.5	2.7	1.3	с.	с.	c.	C.	7.7

#### MARELVER NY PERKS FOR MU VS. NZ. BY MISSION SEGMENT DESCRIP. ALTITLDE LESS

	LESS	c.cc	C.C.	C.1C	C.15	C.2C	C.25	C.30	SLM
1.3 1.2 C.8		1							1
SLP									1
TIME	5.1	4.5	11.7	8.7	4.5	1.6	с.	c.	40.5

MARELVER	N7 PE	AKS FOR	ML V	S NZ	BY MISS	ICN SEG	PENT CE	SCNT,	ALTITUCE	1000, CT/S	LESS
1.3	LESS	0.00	C.C5	0.10	0.15	0.20	0.25	C.30	SUM		
1.2					1				1		
C.E SLM					1				1		
TIME	9.4	6.3	13.5	19.2	12.5	1.4	0.	0.	62.3		

MANELVER	NZ PE	KS FCR	MU VS	NZ	BY MISS	ION SEGI	ENT DE	ECNT,	ALTITUCE	1CCO. CT/S	0.06
• •	LESS	c.cc	0.05	c.10	C.15	C.2C	0.25	C.30	SUM		
1.4 1.3 1.2	2	,		•	3	1			3		
C.8	•	•	•		3	4			,		
C.7	_		_			_			•		
SUP	3	_	_		3				14		
TIME	35.5	32.2	46.5	65.5	56.1	2C.4	1.C	0.	261.7		

PANEUVE	NZ PE	AKS FOR	MU V	S NZ	BY MISS	ION SEG	PENT DE	SCAT,	ALTITUCE	1CCO, CT/S	0.09
	LESS	C.CO	C.C5	C.1C	0.15	C.20	0.25	C.30	SUM		
1.2 C.8	1	4							5		
SLM	1	4							5		
TIME	19.3	15.8	34.3	42.5	14.6	с.	c.	c.	126.5		

MANEUVER	NZ PEA	KS FCR	PU VS	NZ	BY #1551	ON SEG	ENT CES	CNT,	ALTITUDE	1000
	LESS	c.co	C.C5	C.1C	C.15	C.2C	C.25	C.3C	SLF	
1.4	2					1			3	
1.2 C.E	2	5	1	2	4	2			16	
C.7				1					1	
SLF	4	5	1	3	4	3			2 C	•
TIME	66.2	54.2	94.7	127.3	83.1	21.8	1.0	0.	450.4	

PARELVER	NZ PE	KS FCR	MU V	S NZ	BY MISS	ION SEG	PENT CE	SCNT,	ALTITUCE	zcco, c	T/S LESS
	LESS	c.cc	C.C5	C.10	0.15	C.2C	C.25	C.30	SUM		
1.5											
1.4					1				1		
1.3	1			1	4	•			10		
C.8	•			2	é	1			10		
0.7					1	3			4		
C.6					•	,			-		
SLP	1			2		4			15		
TIPE	5.8	6.4	7.C	18.5	44.6	47.9	C.3	c.	130.9		
	,,,,			2007	*****		•••	••			
MARELVER	NZ PE	KS FOR	PU V	S NZ	BY PISS	SION SEG	MENT CE	SCAT,	ALTITUCE	2000, C	T/S C.CE
	LESS	0.00	C.05	C.10	C.15	C.2C	0.25	C.3C	SUM		
1.5											
1.4					1				1		
1.3		-			4	3			7		
1.2	3	2		4	4 C	49	4		102		
0.8							_				
0.7	1				11	35	3		5 C		
0.6							1				
0.4							•		1		
SLP	4	2		4	56	87			161		
		•									
TIPE	42.7	42.9	74.4	147.1	432.6	750.3	46.1	C.	1576.1		
MANELVER	NZ PE	NKS FCR	PU V	S NZ	BY MISS	ION SEG	MENT CE	SCNT,	ALTITUCE	2000, C	T/S 0.09
	LESS	0.00	0.05	C.10	C.15	C.20	C.25	C.3C	SUM		
1.3											
1.2				1	4				5		
C.8									14		
0.7	1				2				3		
0.6	•				6				•		
SLF	1			1	•				8		
TIPE	17.6	22.6	54.5	277.0	541.3	41.C	C.3	С.	954.3		
PARELVER	NZ PEA	KS FCR	MU V	S NZ	BY PISS	ION SEGI	MENT CES	ECNT,	ALTITUCE	2000	
	LESS	c.cc	C.05	C.10	0.15	C.2C	C.25	C.30	SLM		
1.5											
1.4					2				2		
1.3					4	3			7		
1.2	4	2		7	5 C	5 C	4		117		
C.8					• •						
0.7	2				14	36	3		57		
C .6							•				
C.5							1		1		
0.4	4			7	7 C	91			1.64		
SLM	6	2		,	70	27			184		

TIPE 66.1 71.8 135.8 443.1 1019.6 879.3 46.7 0. 2662.5

MANEUVER	NZ PEA	KS FCR	MU VS	NZ	BY MISS	ION SEC	PENT CE	SCAT.	ALTITUDE	5000, CT/S	0.06
	LESS	c.co	C.C5	c.1c	0.15	C.20	0.25	C.30	SUM		
1.3 1.2 C.8					1	1			2		
C.7						2	1		3		
SLP					1	3	1		5		
TIPE	С.	0.	c.	7.1	86.2	203.1	12.6	0.	309.0		

PARELVER	NZ PEA	KS FCR	MU VS	NZ	BY MISS	ION SEGR	ENT DE	CNT,	ALTITUCE	50C0
1.3	LESS	c.co	C.C5	C.1C	0.15	C.20	0.25	C.30	SUM	
1.2					1	1			2	
C.7						2	1		3	
0.6 SLP					1	3	1		5	
TIPE	c.	C.	c.	17.5	156.3	214.1	12.6	0.	400.7	

PARELVER	NZ PE	AKS FCR	MU A	S NZ	BY MISS	SION SEG	PENT CE	SCAT	
	LESS	c.cc	C.C.	c.1c	C.15	C.20	0.25	C.30	SUM
1.5									
1.4					2				2
1.3	2				4	4			10
1.2	6	8	1	5	55	53	4		136
0.8									
C.7	2			1	14	40	4		61
C.6									
0.5							1		1
0.4							•		•
SUM	10	8	1	10	75	57	9		210
TIME	142.4	121.0	242.2	664.4	1247.4	1114.0	40.4	٥.	2554.2

PAREUVER NZ PEAKS FOR MU VS NZ BY MISSION SEGMENT STEADY, ALTITUDE 1000, CT/S 0.06

LESS 0.00 0.05 0.10 0.15 0.20 0.25 0.30 SUM

1.3
1.2 1
0.8
0.7 2
0.6 1
0.5
SUP 4

TIPE 143.5 54.8 2.6 0.1 1.2 1.6 0. 0. 203.8

· Ancere			PO V.	3 142 (	DI P1331	CM 3501	7011 311	CALT	at 1111CCE	1000	
1.3	LESS	C.CC	C.C5	C.1C	C.15	C.2C	C.25	C.3C	SLM		
1.2	1								1		
C.7 C.6	2								2		
0.5 SLP	4								4		
TIFE	175.7	64.5	3.C	0.6	4.2	1.6	с.	с.	249.7		

MARELVER	AZ PE	AKS FCR	PU VS	NZ	BY MISS	ION SEG	PENT ST	EADY,	ALTITUCE	2CCO. CT/S	LESS
1.3	LESS	0.00	C.C5	c.10	C-15	C.2C	C.25	C.30	SLM		
1.2	1								1		
C.8 C.7						1			1		
0.6 SLP	1					1			2		
TIPE	14.3	4.7	C.7	0.1	4.3	26.3	c.	0.	50.3		

PARELVER	NZ PE	AKS FCR	MU VS	NZ	BY PISS	SION SEG	PENT ST	EADY,	ALTITUCE	2000,	CT/S	0.06
	LESS	c.cc	C.CS	C.10	0.15	C-2C	C.25	C.30	SLM			
1.3		2			3	19	1		25			
1.3 1.2 C.8 0.7					1	16			17			
C.5						•			•			
SUP		2			4	37	1		44			
TIPE	126.1	84.3	21-2	53.2	283.C	1325.2	38.9	0.	1941.9			

MAREUVER	NZ PEA	KS FCR	ML VS	NZ	BY MISSIO	SEGMENT	STEADY,	ALTITUCE	2CCO. CT/S	0.05
	LESS	c.cc	C.C5	C.1C	0.15	.20 C.	25 C.30	SLM		
1.3					1			À		
C.8 SLP					1			•		
TIPE	21.8	10.0	14.2	230.0	978.9	3.8 1	.з с.	129C.£		

PARELVE	R N7 PE	AKS FCR	MU V	S NZ	BY PIS	SION SEG	PENT ST	EADY,	ALTITUCE	2000
	LESS	c.co	C.C5	C.1C	C.15	C.2C	C.25	C.30	SUM	
1.3	1	2			4	19	1		27	
C.8					1	17			18	
C.6						2			2	
SLF	1	2			•	36	1		47	
TIPE	162.1	99.8	36.1	283.6	1268.C	1356.9	40.2	0.	3286.6	

MARELVER	NZ PEA	KS FOR	MU VS	NZ	BY PISS	SION SEG	PENT ST	EADY,	ALTITUCE	5C00, CT/S	0.06
	LESS	c.cc	C.CS	C.1C	0.15	C.20	0.25	C.30	SUM		
1.3 1.2 0.8						6	1		7		
0.7					4	16	1		21		
0.6 SUM					4	22	2		28		
TIPE	с.	0.	c.	11.7	322.8	1007.5	63.8	0.	1405.9		

PARELVER	NZ PE	KS FCR	MU VS	NZ	BY #15	SION SEG	PENT ST	EADY,	ALTITUCE	50C0
	LESS	C.CG	0.05	C.1C	0.15	C.2C	0.25	C.30	SLM	
1.3 1.2 C.8						6	1		7	
C.7					4	16	1		21	
0.6 SLM					4	22	2		28	
TIME	с.	0.	с.	57.6	682.8	1015.8	63.6	о.	1820.0	

#### MANELVER NZ PEAKS FOR MU VS NZ BY MISSION SEGMENT STEADY

1.3	LFSS	c.cc	C.C.	C.10	C.15	C.20	0.25	C.30	SLM
1.2	2	2			4	25	2		35
C.8 O.7 C.6	2				5	33 2	1		41
C.5	5	ż				60			75
TIPE	266.2	172.9	39.1	341.6	1955.C	2414.4	104.C	0.	5393.4

PAREUVER NZ PEAKS FOR HU VS NZ BY PISSION SEGMENT HOIST, ALTITUDE LE	LESS. CT/S	LESS
--	------------	------

1.4	LFSS	0.00	C.C5	C.1C	0.15	C.20	C.25	C.30	SLM
1.3	1 2 3								1 2
SUP	3								3
TIME	C . 2	0.	с.	0.	ç.	C.	c.	0.	0.2

#### PAREUVER NZ PEAKS FOR HU VS NZ BY MISSION SEGMENT HOIST, ALTITUDE LESS, CT/S O.CE

1.4	LESS	c.co	0.05	C-1C	0.15	C.20	0.25	C.30	SLM
1.3	1 3	1							4
SLP	4	1							5
TIPE	C.6	C.1	c.	c.	c.	c.	c.	0.	0.7

#### MANELVER NZ PEAKS FOR MU VS NZ BY MISSION SEGMENT HOIST, ALTITUDE LESS, CT/S 0.09

	LESS	0.00	C.05	C.1C	0.15	C.20	0.25	C.30	SUM
1.5 1.4 1.3 1.2 C.8 SLP	1								1
1.2	1								1
SLP	2								2
TIPE	C . 2	0.	c.	٥.	c.	c.	c.	0.	0.2

#### PANELVER NZ PEAKS FOR MU VS NZ BY MISSION SEGMENT HCIST, ALTITUDE LESS

	LESS	c.cc	C.C.	C.1¢	0.15	C.20	0.25	C.30	SUM	
1.5	1								1	
1.3	6	1							ź	
8.0 4J2	9	1							10	
TIPE	1.0	C.1	с.	0.	с.	с.	c.	0.	1.1	

MANELVER NZ PEAKS FOR MU VS NZ BY MISSION SEGMENT HOIST, ALTITUDE 1000, CT/S LESS

1-4	LESS	c.co	0.05	c.1c	C.15	C.2C	0.25	C.30	SLM
1.6 1.5 1.4 1.3	1 2 1 5								1 2 1 5
C.8	1								1
0.6 SLP	10								10
TIPE	C.9	О.	c.	c.	c.	c.	c.	c.	0.9

PARELVER NZ PEAKS FUR MU VS NZ BY MISSION SEGPENT HCIST, ALTITUCE 100, CT/S 0.6

_ 11	LESS	0.00	0.05	C.1C	C.15	C.20	0.25	C.3C	SLM
	8 9		1						<b>9</b>
C.8 O.7 C.6	7								7
SUP	24		1						25
TIPE	2.8	0.5	c.c	c.	c.	c.	0.	0.	4.4

MANEUVER NZ PEAKS FOR ML VS NZ BY MISSION SEGMENT HOIST, ALTITUDE 1000, CT/S 0.09

	F 6 2 2	C.CU	0.07	0.10	0.15	4.20	0.25	C.30	2CM
2.0	12								
1.6	1								L
1.7	_								
1.6	1								1
1.5									
1.4	1								1
1.3	5	2							7
1.2	7	4							11
C.8									
0.7	1								1
0.6									_
SLF	16	6							22
TIPE	1.1	C.6	С.	С.	c.	c.	C.	0.	1.7
			- •			3.0		~ •	

	LESS	c.cc	C.C.	C.1C	C.15	C.2C	C.25	C.30	SUM		
2.0	1								1		
1.7											
1.6	1								1		
1.4	3 14	ž	1						3 17		
1.2	21	4	•						25		
C.8 C.7	9								9		•
C.6 Slp	50	6	1						57		
							_				
TIPE	5.8	1.1	c.c	0.	с.	c.	c.	c.	7.C		
PARELVER	NZ PE	AKS FOR	PL VS	NZ	BY MISS	ION SEGI	PENT H	. 121	ALTITUCE	2000, 01/5	LESS
	LESS	C.CO	0.05	C.1C	C-15	C • 2C	C.25	C.30	SLM		
1.3			0.05		(.15	(.20	C.23	(.30			
1.2 C.8	2	1							3		
SUP	2	A.							3		
TIPE	C.é	C-4	с.	0.	c.	c.	c.	0.	1.0		
PANEUVER	NZ PE	NKS FOR	MU VS	NZ	BY MISS	IOA SEGI	MENT H	cist,	ALTITUCE	2000, 01/5	0.06
	NZ PE	NKS FCR	MU VS	NZ C.1C	BY PISS	ION SEGI	"ENT H	C.30	ALTITUCE SUM	200, 01/5	0.06
1.4	L ESS	0.00							SLM 4	200, 01/5	0.06
1.4 1.3 1.2	LESS	0.00							SLM	200, 07/5	0.06
1.4 1.3 1.2 0.8 C.7	L ESS	0.00							SLM 4	200, 07/5	0.66
1.4 1.3 1.2 0.8 C.7 0.6	L ESS	0.00							SLM 4	200, 07/5	0.06
1.4 1.3 1.2 0.8 C.7	L ESS	0.C0 1 1C							SLM 4 20	200, 07/5	0.06
1.4 1.3 1.2 0.8 C.7 0.6 0.5 C.4 SUP	13	0.C0 1 1C	0.05	c.1c	C-15	C.2C	0.25	C.30	SLM 4 20	200, 07/5	0.66
1.4 1.3 1.2 0.8 0.7 0.6 0.5 0.4	1 ESS 3 10	0.C0 1 1C							SLM 4 20	200, 07/5	0.66
1.4 1.3 1.2 0.8 C.7 0.6 0.5 C.4 SUP	13 2.0	0.C0 1 1C	0.05	c.1c	C-15	c.zc	0.25 C.	C.30	SLM 4 20		
1.4 1.3 1.2 0.8 0.7 0.6 0.5 C.4 SUP TIME	13 2.G	0.C0 1 1C 1 12 1.9	C.	0. NZ	C.15	C. 2C	0.25 C.	0.	SLM 4 20 1 25 4.9		
1.4 1.3 1.2 0.8 C.7 0.6 0.5 C.4 SUP TIME	13 3.C NZ PEA	0.C0 1 1C 1 12 1.9	C.	0. NZ	C.15	C. 2C	0.25 C.	0.	SLM 4 20 1 25 4.9 ALTITUCE SLM		
1.4 1.3 1.2 0.8 0.7 0.6 0.5 C.4 SUM TIME PANELVER 1.6 1.5 1.4	13 2.0 NZ PEA	0.C0 1 1C 1 12 1.9 0KS FCR C.CC	C.	0. NZ	C.15	C. 2C	0.25 C.	0.	SLM 4 20 1 25 4.9 ALTITLEE SLM 1		
1.4 1.3 1.2 0.8 0.7 0.6 0.5 C.4 SUP TIME PARELVER 1.6 1.5 1.4	13 3.C NZ PEA	0.C0 1 1C 1 12 1.9	C.	0. NZ	C.15	C. 2C	0.25 C.	0.	SLM 4 20 1 25 4.9 ALTITUCE SLM		
1.4 1.3 1.2 0.8 0.7 0.6 0.5 C.4 SUP TIME PANELVER 1.6 1.5 1.4 1.3 1.2 C.8	13 2.G NZ PEA LESS 1	0.C0 1 1C 1 12 1.9 0KS FCR C.CC	C.	0. NZ	C.15	C. 2C	0.25 C.	0.	SLM 4 20 1 25 4.9 ALTITLCE SLM 1 5		
1.4 1.3 1.2 0.8 0.7 0.6 0.5 C.4 SUP TIME PANELVER 1.6 1.5 1.4 1.3 1.2 C.6 C.7 C.6	13 2.G NZ PEA LESS 1	0.C0 1 1C 1 12 1.9 0KS FCR C.CC	C.	0. NZ	C.15	C. 2C	0.25 C.	0.	SLM 4 20 1 25 4.9 ALTITLEE SLM 1 5 16 2		
1.4 1.3 1.2 0.8 C.7 0.6 0.5 C.4 SUP TIME PANELVER 1.6 1.5 1.4 1.3 1.2 C.8 C.7	13 2.G NZ PEA LESS 1	0.C0 1 1C 1 12 1.9 0KS FCR C.CC	C.	0. NZ	C.15	C. 2C	0.25 C.	0.	SLM 4 20 1 25 4.9 ALTITLCE SLM 1 5		

## TABLE XXVI - Concluded

PANELVER	NZ PE	AKS FOR	MU V	S NZ	BY MISS	ION SEG	PENT H	CIST,	ALTITUCE	2000
	LESS	c.co	0.05	c.10	C.15	C.2C	0.25	C.30	SLM	
1.6 1.5 1.4	1								1	
1.3	5	4							9	
1.2 C.8	19	20							39	
C.7	1	1							2	
C.5		1							1	
SUP	26	26							52	
TIPE	4.6	3.0	с.	0.	с.	c.	с.	0.	7.7	

PAREUVER	NZ PE	AKS FCR	MU VS	NZ	BY PISS	ION SEG	PENT H	T2 10	
	LESS	0.00	C.C5	C.1C	0.15	C-20	0.25	C.30	SUM
2.0									
1.8	1								1
1.7									
1.6	1	•							1
1.5	2								2
1.4	4								4
1.3	21	é	1						28
1.2	46	25							71
C.8									
0.7	10	1							11
0.6									
C.5		1							1
0.4		_							_
SLF	65	23	1						119
7145				•	•	•			

PAREUVER	NZ PE	AKS FOR	PU	VS NZ					
	LESS	C.CC	C.05	C.1C	C.15	C.2C	C.25	C.3C	SUM
2.0									
1.8	1								1
1.7	_								_
1.6	1								1
1.5	2				1	1			
1.4	5			1	4	-			10
1.3	24	£	2	2		6			47
1.2	96	éČ	4	21	82	104	é		373
0.8		•	_	••					313
C.7	15	1		2	33	91	é		148
C.6	- 1	•		-	33	74	C		140
	_					•			?
0.5		<b>A</b>					1		Z
0.4		-							
SLP	145	70	é	26	125	2C6	13		591
TIPE	754.6	426.1	47C.5	185C.C	454C.3	3556.3	171.4	0.	12209.1

# TABLE XXVII. MANEUVER $n_{\mathbf{z}}$ PEAKS FOR AIRSPEED VERSUS $n_{\mathbf{z}}$ BY WEIGHT, ALTITUDE, AND MISSION SEGMENT, SAMPLE I

	PANEUVER	NZ	PEAKS FOR	VELCC 11	Y VS	MZ BY	PEICHT	21000,	ALTITUD	E	LESS, PI	SSICK S	SECPENT	HOIST		
1.4	LESS	40	60	65	70	75	. 80	85	90	95	100	105	110	115	120	SUM
1.3 1.2 C.0 SLP	1															1
SLP	2															2
TIPE	C.1	0.	c.	0.	c.	c.	c.	٥.	0.	0.	c.	c.	c.	0.	c.	C.1

	PANEUV	ER NZ F	PEAKS FO	M AEFCC	ITY VS	MZ B	NEIGHT	21000.	ALTIT	LCE	LESS					
1.4	LESS	40	60	65	70	75	80	85	90	95	100	105	110	115	120	SUM
1.3	1															1
1.3 1.2 0.0 5UP	2															2
TIPE	1.4	0.4	C.1	0.2	c.	c.	ζ.	0.	с.	C.	٥.	<b>c</b> .	c.	С.	c.	2.2

	PAREUVER	NZ	PEAKS FOR	VELCC	ITY VS	NZ BY	SEIGHT	21000,	ALTIT	UCE	1000, PI	SSICA	SEGPENT	ASCENT		
1.4	. LESS	40	60	65	70	7>		85	90	95	100	105	110	115	120	SUP
1.3 1.2 0.4 SUP	1 2															1 2
SUP	3															3
TIPE	4.0	0.7	c.	0.	c.	0.	c.	0.	0.	0.	0.	c.	c.	c.	c.	4.7

	PANEUVER	NZ	PEAKS FOR	VELCCIT	Y VS	NZ EY	WEIGHT	SICCC.	ALTITU	CE	1000. PI	5 \$ 1 C A	SEGMENT	+0157		
1.6	LESS	<b>+</b> 0	•0	65	70	75	60	85	90	95	100	105	110	115	120	SUM
1.5 1.4 1.3	1 2 1															1 2
1.2 C.8 C.7 C.6 SLP	1															1
TIPE		٥.	с.	0.	C.	c.	c.	0.	0.	٥.	٥.	c.	c.	c.	<b>c.</b>	C.6

	ANENAGI	NZ	PEAKS FOR	AFFC	ITY VS	NZ BY	PEIGHT	21000,	ALTIT	UCE	1000					
	LESS	40	•0	45	70	75	80	65	90	95	100	105	110	115	120	SUM
1.6	1															1
1.3	2															5
1.2	6															é
0.7	1															1
SLP	12															12
TIPE	22.7	5.5	1.2	1.5	c.s	0.0	0.1	0.5	0.8	0.5	0.	с.	c.	c.	c.	35.1
	PANEUVER	NZ	PEAKS FOR	VELCO	ITY VS	NZ 87	hEIGHT	21000,	ALTITO	uc E	2000, PI	ISS ICA	SEGMENT			
1.4	LESS	<b>+</b> 0	•0	45	70	75	80	•5	90	95	100	105	110	115	120	SUM
1.3	1				1											1
8.0	4				1											5
					_	• 4			• •				•	_		_
TIPE	9.3	7.7	4.1	3.9	2.3	7.4	5.2	1.1	8.6	4.3	0.0	c.	С.	C.	C.	58.

	PANEUVE	R NZ PI	EAKS FOR	AEFOCI	ITY VS	HZ BY	PEICHL	21000,	ALTIT	UCE :	2000, P	ISSICA	SEGPENT	MANUVR		
	LESS	40	60	45	70	75	80	85	90	95	100	105	110	115	120	SUM
1.3 1.2 C.8 G.7 G.6 SLP									1	1						2
0.7								1								1
SLP								1	1	1						3
TIPE	c.	0.	c.	0.	c.	c.	с.	C-2	1.2	0.3	0.	с.	c.	с.	0.	1.7

						•										
	PAREUVE	R NZ P	EAKS FOI	VELCC	TY VS	NZ 8	A PEICH.	7 21CCC.	ALTI	TLCE 2	2000, PI	SSICK S	EGPENT	CESCNT		
1.4	LESS	40	•0	45	70	79	80	85	90	95	100	105	110	115	120	SUM
1.3	1	2				1 4	1 2		3		1					2 13
0.8 0.7 C.6					2	1		1	2	1		1				•
SUP	1	2			2	6	3	1	5	1	1	1				23
TIPE	11.3	10.0	4.5	4.2	7.3	12.7	16.3	22.0	27.7	12.4	4.8	9.1	1.0	0.3	c.	145.7

	WAVEAA	EM NZ	PEARS FOR	AEFECT	AA AZ	NZ BY	PE I CHI	\$1C00'	ACTIT	UCE	2000.	1221CV	SEGMENT	STEACY		
C.8	LESS	40	60	65	70	75	60	85	90	75	100	105	110	115	120	SUM
C.7									2	1						3
SLP									2	1						3
TIPE	e.3	0.	<b>c.</b>	<b>a.</b>	C.9	2.5	4.1	11.5	21.0	4.4	5.1	2.7	1.1	c.	c.	65.1
																•
	MAREUV	ER NZ	PEAKS FOR	AEFCCI	TY VS	MZ EY	WEIGHT	21000,	ALTIT	uCE	2000,	ISSICA	SEGPENT	H0157		
1.3	LESS	40	60	65	70	75	80	85	90	95	100	105	110	115	120	SUM
1.2	1															1
SLP	1															1
TIPE	C.2	0.	c.	0.	c.	c.	с.	0.	0.	0.	0.	с.	c.	0.	c.	C.2
		ER NZ	PEAKS FOR	AEFEC1.	TV VS	N2 BY	wE [G+1	21000.	ALTITO	uCE	2000					
1.4	LESS	40	•0	65	70	75	80	85	•0	95	100	105	110	115	120	SUM
1.3	1 5	2			1	1	1 2		•	1	1					3 20
C.8					,	1		2	4	2		1				12

	PAREUVE	NZ.	PEAKS FOR	VELCCI	TY 45	MZ EY	bEIGH1	21000,	ALTIT	LCE !	scoc. PI	SSICH S	EGPENT	PANLVR		
	LESS	40	60	65	70	75	80	85	90	95	100	105	110	115	120	SUM
C.8									1							1
C.6 SLP									4							1
T 1 # E	с.	c.	с.	c.	с.	с.	c.	0.6	0.5	0.	0.	с.	с.	с.	c.	1.5

	MAREUVER	NZ	PEAKS FOR	VELCC	ITY VS	NZ E	Y WEIGHT	SICCO.	- ALTIT	UCE	5000,	PISSICA	SECPENT	DESCNT		
c.e	LESS	40	60	65	70	75	80	85	90	95	100	105	110	115	120	SUM
C.7									1							1
SLP									1							1
TIPE	с.	٥.	c.	0.	c.	C.8	C.8	7.3	5.2	1.7	1.5	0.5	1.2	0.1	с.	19.2

	PAVERA	ER NZ P	EAKS FO	R VELCO	ITY VS	NZ E	Y MEIGHT	21000.	ALTIT	UC E	5C00,	PISSICA	SEGPENT	STEADY		
1.3	LESS	40	60	45	70	75	80	85	90	95	100	105	110	115	120	SUM
1.2												1				1
SLP												1				1
TIPE	c.	c.	c.	c.	C.3	c.	2.2	4.8	6.6	2.2	4.1	2.2	0.4	C.	C.	23.1

	PAVERAE	NZ	PEAKS FOR	VELCC	ITY VS	MS BA	PEIGH	1 SICCC.	ALTII	ILCE 5	COC					
1.3	LESS	40	60	65	70	75	•0	85	90	95	100	105	110	115	120	SUM
1.2												1				1
0.7									2							2
SUP									2			1				3
TIPE	с.	c.1	C. 5	0.4	C.5	C.9	4.6	14.4	13.6	6.6	6.3	2.7	1.0	C-1	c.	52.7

	MANEU	ER NZ I	PEAKS FO	R VELC	CITY VS	NZ E	A PEICH	1 21000								
	LESS	40	60	65	70	75	80	85	90	95	100	105	110	115	120	SUM
1.6 1.5 1.4	1															1
	2					,	1									2
1.3	12	2			1	•	ž		4	1	1	1				28
C.9	1				2	1		2	•	2		1				15
0.e	20	2			2	é	3	2	10	3	1	2				• • • • • • • • • • • • • • • • • • • •
											_ :	_				- 4
TIME	49.1	24.5	1C.=	10.3	11.5	24.5	31.2	57.4	72.8	34.2	21.0	10.6	3.5	C.4	C.	362.3

	PAREUV	ER NZ F	EAKS FO	R VELCO	ITY VS	MS 64	LEIGHT	2300C,	ALTIT	CCE	LESS. PI	SSICK S	EGPENT	ASCENT		
1.3	LESS	40	60	65	70	75	80	85	90	95	100	105	110	115	120	SUM
1.2	1	1														2
C.4 SUP	1	1														2
TIPE	1.0	0.2	c.	0.	c.	c.	c.	0.	c.	c.	0.	C.	с.	0.	с.	2.0

	PAREUVE	NZ F	EAKS FO	AETCC	ITY VS	NZ BY	PEIGHT	23000,	ALTIT	UCE	LESS, ÞI	SSICA	EGPENT	HOIST		
1.4	LESS	40	60	65	70	75	80	85	90	95	100	105	110	115	120	SUM
1.3	1															1
C.B SUP	2															2
TIPE	C.2	0.	c.	0.	G.	0.	c.	0.	c.	0.	c.	G.	c.	c.	c.	C.2

	PAREUV	ER NZ P	PEAKS FO	R VELCO	ITY VS	MZ BY	neight	23000,	ALTIT	UCE I	LESS					
1.4	LEŞS	40	•0	45	70	75	80	8>	90	95	100	105	110	115	120	SUM
1.3	1 2	1														1
C.B SUP	3	1														4
TIPE	14.3	2.4	c.	0.3	C.1	C.1	0.	0.	0.	٥.	0.	C.	c.	с.	0.	17.1

	PANEUV	EH NZ F	EAKS FO	M AEFCC	ITY VS	MZ BY	PEIGHT	23CCC,	ALTIT	LCE .	1000. PI	1551CA	SEGMENT	ASCENT		
	LESS	+0	•0	65	70	75	80	85	90	95	100	105	110	115	120	SUM
1.3	10	1														11
SLP	10	1														11
TIPE	22.3	7.6	1.7	1.0	1.0	0.9	C.7	0.	c.	0.	c.	0.	c.	0.	c.	35.2

	PAREUV	ER NZ P	EAKS FOR	VELCO	ETY VS	NZ BY	Y WEIGHT	23000.	ALTIT	UC E	1000, M	SSICH	SEGPENT	CESCNT		
	LESS	40	•0	- 65	70	75	80	85	•0	95	100	105	110	115	120	SUM
1.3 1.2 0.8 SUP	1			1	1				1							4
SUP	1			1	1				1		•					4
TIPE	42.2	28.3	9.0	6.8	7.3	5.6	4.1	2.0	0.7	0.4	0.1	C.1	c.	c.	c.	107.4

	MAREUVER	NZ P	EAKS FOR	VELCCI	TY VS	NZ BY	WEIGHT	23CCC,	ALTITU	CE 1	1000 PIS	SICA	SEGMENT	12104		
	LESS	40	60	45	70	75	80	85	•0	95	100	105	110	115	120	SUM
1.4																
1.3	3															3
0.0	-															
C.7	1															1
C.6 Sup	10															10
		_					_	_	_	_	_	_			_	
1176	1.3	0.	с.	0.	с.	C.	с.	0.	c.	c.	О.	С.	с.	C.	c.	1.3

	PANEUVEI	N NZ	PEAKS FOR	VELCC	ETY VS	NZ I	BY WEIGHT	23000,	ALTITU	CE	1000					
1.4	LESS	40	•0	45	70	75	80	85	•0	95	100	105	110	115	120	SUM
1.3 1.2 C.8 C.7	16	1		1	1				1							20
C.7	1															1
· SLP	21	1		1	1				1							25
TIPE	117.5	36.4	10.9	7.5	0.3	4.5	4.0	2.0	0.7	0.4	0.1	0.1	c.	0.	с.	194.4

	MAREUVER	NZ	PEAKS FOR	VELC	CITY VS	M2 8	Y MEIGHT	2300C,	ALTI	TUCE	2000.	HISSICH	SEGPENT	ASCENT		
1.5	LESS	40	60	65	70	75	•0	85	90	95	100	105	110	119	120	SUM
1.4	1	,						,								1
1.2	20	2		2	3	2	1	i	4							36
0.7	1					1				1						3
SUP	22	4		3	3	3	1	3	4	1						44
TIPE	35.7 5		25.2	20.6	31.1	32.4	39.1	20.3	20.C	13.3	3.7	c.	c.	c.	0.	331.3

	PINEUVER	NZ	PEAKS FOR	VELCC	ITY VS	NZ	BY MEIGHT	23000,	ALTIT	UCE	2000, 1	SSICA	SECPENT	PANUVR		
	LESS	40	60	65	70	7	• •0	85	90	95	100	105	110	115	120	SUM
1.3							2	1								3
0.7 C.6 C.5							1	1								1
SLP							3	2								5
TIPE	<b>(.</b>	0.	c.	c.	С.	c.	2.6	3.1	2.9	1.6	1.4	0.2	c.	с.	c.	11.0

	PARELYER	NZ	PEAKS FO	* VELC	CITY VS	NZ E	A PEICHL	230CC	. ALTI	TLCE	2000.	PISSICA	SEGPENT	CESCNT		
	LESS	40	•0	65	70	75	80	05	90	95	100	105	110	115	120	SUM
1.5				1		1										2
1.3			1		1	i	. 1		.1							53
C.8	,	1		,	3	,	10	•	41	•	•					23
C.7				2		3	2	1	10	7		1				26
SLP	3	1	1	é	•	•	13	•	22	11		. 1				. 25
TIPE	55.3 4	2.9	21.2	25.2	36.6	53.5	77.1	96.0	113.4	63.C	33.4	6.4	2.1	0.2	o.	627.4

	PAREUV	ER NZ P	EAKS FO	R VELCC	ITY VS	MZ E	bEIGH1	23000	. ALTI	TUCE	2000. >	1551CA	SECPENT	STEACY		
	LESS	40	60	65	70	7>	80	85	90	95	100	105	110	115	120	SUM
1.3 1.2 C.8	3						2	2	3							10
0.7 C.6 C.5						1		1	2							3
SLP	3					1	2	3	5							14
TIPE	74.6	0.5	c.	1.2	7.5	22.5	47.8	89.6	15C.C	89.0	13.9	0.7	c.	0.	c.	497.2

	PANEUN	ER NZ	PEAKS FOR	VELCC	ITY VS	NZ B'	A PEICH	23000.	ALTITUE	E	Scoc.	PISSICA	SEGNENT	+C1ST		
• •	LESS	40	60	65	70	75	●0	85	90	95	100	105	110	115	120	SUM
1.4	1															1
1.2	7															7
C.7																
C.6	1															1
0.4	-															
SCP	ç															9
TIPE	2.1	0.	с.	0.	с.	c.	c.	0.	c	0.	0.	c.	ε.	c.	c.	2.1

	PAREU	VER NZ	PEAKS FO	R VELC	CITY VS	MS 6	Y WEIGH	7 23000	. ALTI	TLCE	200C					
	LESS	40	60	65	70	79	80	85	•0	95	100	105	110	115	120	SUM
1.5 1.4 1.3	1 1 23	2 2	1	1	1 e	1 1 5	1 15	2 12	10	4	3	1				3 9 109
C.8 0.7 0.4 C.5	1			2		5	2	2	12	•	1					33 2 1
0.4 SLP	37	5	1	\$	\$	12	19	17	31	12	4	1				157
TIPE	167.7	101.4	46.4	55.C	e3.1	100.5	166.7	217.0	294.2	166.0	52.4	7.3	2.1	C • 2	0. 1	469.8

	MAREUV	ER NZ P	EAKS FO	R VELCO	ITY VS	NZ 8	Y MELGH	1 23000.	ALTIT	LCE	5000,	PISSICA	SECPENT	ASCENT		
1.3	LESS	40	60	45	70	75	80	85	90	95	100	105	110	115	120	SUM
1.2 C.8 0.7									1							1
0.7				1	2		3			1						1
SLP				1	2		3		1	1						•
TIPE	c.	1.6	2.2	4.4	7.2	9.7	19.3	15.5	9.C	2.0	0.2	c.	c.	c.	c.	74.4

	MAREUVER	MZ	PEAKS FOR	AEFSC	ITY VS	N 2 8	V WEIGHT	23000,	ALTIT	LCE	5000 . I	HISSICH	SEGPENT	PANLYR		
	LESS.	40	•0	65	70	75	80	85	90	95	100	105	110	115	120	SUM
0.7							1			1			1			3
0.6 SLP							1			1			1			3
TIPE	с.	٥.	c.	0.	c.	c.	2.4	2.4	C-1	0.6	C.4	c.	C.1	0.	c.	6.0

	MAREUVER	NZ	PEAKS FOR	AEFCC	ITY VS	NZ B	A PEICH	23000.	ALTI	TUCE	5000,	MISSICH	SECHENT	CESCAT		
c.e	LESS	40	60	45	70	75	80	85	90	95	100	105	110	115	120	SUP
C.7							1									1
SLF							1									1
11+6	с.	2.4	4.4	2.5	3.5	5.4	14.5	26.6	22.4	17.0	4.1	1.7	с.	٥.	c.	112.5

	PAREUVER	NZ P	EAKS FO	R VELC	CITY VS	NZ E	A PEICH.	23000.	ALTE	TLCE	5000. P	ISSICA	SEGPENT	STEACY		
1.3	LESS	40	60	65	70	75	80	85	90	95	100	105	110	115	120	SUM
1.2										1						1
C.8 C.7 O.6							1		3	2	1					7
SLP							1		3	3	1					e
TIPE	с.	4.7	e.c	13.2	26.6	33.0	65.6	66.0	89.7	35.0	20.4	C.1	c.	c.	c.	355.2

	PAREUVE	RAZ	PEAKS FO	R VELC	CITY VS	MZ 81	Y PEICH	1 23000	. ALTI	TLEE	5000					
	LESS	40	•0	65	70	75	80	85	90	95	100	105	110	115	120	SUM
1.3									1	1						2
1.2 C.0 C.7				1	2		•		3	4	1		1			18
SLP				1	2		4		4	5	1		1			20
TIPE	с.	8.7	12.6	22.9	31.1	52.9	103.0	110.7	121.3	57.C	25.2	1.0	C.1	0.	c.	542.1

	PAREU	VER NZ	PEAKS FO	S AEFC	CITY VS	MZ B	A PEICH	1 23000								
	LESS	<b>~</b> 0	•0	45	70	75	80	85	90	95	100	105	110	115	120	SUM
1.5				,												
1.3	i	2	1	•	1	i	1	2	1							14
1.2	51	5	1	7	•	,	15	12	20	,	3	1				134
0.8 C.7 O.6 O.5	2			3	2	9		2	15	12	2		1			52
0.6	,						1	1								2
0.4 SUP	•															•
SUP	61	7	1	11	12	12	25	17	36	17	5	1	1			204
TIPE	295.5	148.0	69.8	04.1	122.5	148.0	275.3	330.5	416.2	224.3	77.7	9.2	3.2	0.2	0.	2231.3

	PANEUV	ER NZ P	EAKS FO	R VELCO	ITY VS	NZ 81	, <b>me</b> ight	25000.	ALTIT	UCE	LESS, PI	ASICA	SEGMENT	ASCENT		
1.3	LESS	40	•0	65	70	75	●0	85	90	95	100	105	110	115	120	5UM
1.2	1															1
SLP	1															1
1106	5.3	0.2	R.C	0.7	C.2	c.	c.	c.	c.	٥.	c.	c.	c.	C.	с.	7.4

	MAREUVER	NZ	PEAKS FOR	VELCC	ITY VS	NZ	BY WEIGHT	25000,	ALTIT	UCE	LESS,	PISSICA	SEGPENT	HOIST		
	LESS	40	60	65	70	75	80	85	90	95	100	105	110	115	120	SUM
1.3 1.2 0.8 SLP	3															3
SLP	,										•					3
TIPE	C.3	٥.	c.	C.	c.	c.	<b>c.</b>	0.	0.	c.	0.	с.	c.	C.	c.	C.3

	PAREUVE	ER NZ P	EAKS FO	R VELCC	ITY VS	WS 84	PEICHT	250CC.	ALTIT	rce r	. ESS					
1.3	LESS	40	•0	65	70	75	80	85	90	95	100	105	110	115	120	SUM
1.2	4															4
SLP	4															4
TIPE	27.9	4.4	2.C	1.4	1.3	C.4	C.2	1.0	0.1	0.	0.	c.	c.	C.	с.	39.1

	PAREUVER	NZ.	PEAKS FO	# AEFCC	ITY VS	N 2 0	A PETCHI							ASCENT		
1.3	LESS	40	60	45	70	75	80	45	90	00	100	105	110	115	120	SUM
1.2			1		1											10
C.B Sup	•		1		1											10
TIPE	24.0 1	0.9	6.C	2.3	2.3	1.2	0.0	0.2	0.1	٥.	0.	с.	c.	C.	0.	50.7

	PAREUN	IER NZ	PEAKS FO	S AEFCC	ITY VS	NZ B	Y WEIGHT	25CCC.	ALTII	TUCE	1000,	ISSICA	SEGMENT	CESCNT		
1.4	LESS	40	<b>♦</b> 0	45	70	75	80	85	90	15	100	105	110	115	120	SUM
1.3	2 1	1		1		1	1									3 5
C.8 0.7 C.6		1														1
SUP	3	2		1		1	2									9
TIPE	90.2	25.6	E. E	5.3	6.5	8.3	7.1	2.7	2.6	0.5	C.4	c.	с.	c.	с.	117.9

	MAREUVER	NZ	PEAKS FOR	VELCCIT	Y VS	NZ EY	<b><i>PEIGHT</i></b>	25000.	ALTITU	JC E	1000,	PISSICA	SEGPENT	STEADY		
	LESS	40	<b>●</b> 0	65	70	75	80	85	90	95	100	105	110	115	120	SUM
1.3	1															1
0.6 0.5	1															1
SLP	2															S
TIPE	104.2	C.4	c.	с.	с.	C.7	C-2	0.4	0.	с.	0.	с.	с.	с.	c.	105.9

	MANEUVER	NZ	PEAKS FOR	VELCC	LTY VS	NZ EY	we light	Secc.	ALTITO	LCE	1000, PI	SSICA	SECPENT	+0157		
	LESS	40	•0	45	70	79	80	85	90	95	100	105	110	115	120	SUM
1.4	•															4
C.8 C.7 O.6	3															3
SLP	11															11
TIPE	1.0	о.	c.	0.	c.	0.	c.	c.	0.	0.	0.	c.	c.	c.	c.	1.0

	MAREUVER	NZ	PEAKS FOR	VELCC	ITY VS	NZ EY	MEIGHT	25CC0,	ALTIT	LCE	1000					
	LESS	40	60	65	70	75	80	85	90	95	100	105	110	115	120	SUM
1.4	_															
1.3	6				-											
1.2	14	1	1	1	1	1										20
0.0	_															
C.7	3	1														•
0.5	1															1
SLP	24	2	1	1	1	1	2									32
																21.0
TIPE	191.0 3	6.9	14.7	1.7	6.0	10.1	4.1	3.3	2.7	0.5	0.4	с.	С.	С.	c.	284.3

	MAREUVE	1 12	PEAKS FOR	VELCO	ITY VS	NZ BY	HEIGHT	25000,	ALTI	TUDE	2000.	PISSICA	SEGPENT	ASCENT		
	LESS	40	•0	65	70	75	80	85	90	95	100	105	110	115	120	SUM
1.5		1														1
1.2	14	4		1	1	2	3	1		1	1					28
C.7				2	1		1	2			1					7
C.6	16	•		3	2	2	4	3		1	2					38
TIPE	66.4	3.7	44.2	92.C	56.6	53.6	45.6	47.3	27.5	18.5	7.6	1.7	с.	٥.	с.	518.7

MAREUVER	NZ	PEAKS FOR	VELCC	ITY VS	NZ B	Y MEIGHT	25000,	ALTIT	UCE	2000,	PISSICA	SEGPENT	PANLYR		
LESS	40	•0	65	70	75	80	85	90	95	100	105	110	115	120	SUM
				1	1			1							2
			•	1			1	3	2						7
								1	,						4
			1	2	1		1	5	5						15
<b>c.</b>	0.1	C.1	0.3	1.0	1.4	1.5	4.5	6.7	3.2	0.3	0.1	c.	0.	c.	19.2
	LESS	LESS 40	LESS 40 00	LESS 40 00 05	LESS 40 00 05 70 1 1 1	LESS 40 e0 e5 70 75  1 1 1 1 2 1	LESS 40 60 65 70 75 60 1 1 1 1 1 2 1	LESS 40 00 65 70 75 80 85  1 1 1 1 1 1 1	LESS 40 60 65 70 75 80 85 90  1 1 1 1 1 1 3 1 1 5	LESS 40 60 65 70 75 80 85 90 95  1 1 1 1 1 1 3 2 1 3 1 2 1 1 5 5	LESS 40 e0 e5 70 75 80 85 90 95 100  1 1 1 1 1 1 3 2 1 3 1 2 1 1 5 5	LESS 40 60 65 70 75 80 85 90 95 100 105  1 1 1 1 1 1 3 2 1 3 1 2 1 1 5 5	LESS 40 e0 e5 70 75 80 85 90 95 100 105 110  1 1 1 1 3 2 1 1 3 1 2 1 1 5 5	LESS 40 e0 e5 70 75 e0 e5 e0 e5 100 105 110 115  1	LESS 40 e0 e5 70 75 80 85 90 95 100 105 110 115 120  1

	PAREUN	ER NZ I	EAKS FO	VELC	CITY VS	NZ B	A PEICH	7 25000.	ALTI	TUCE	5000.	MISSICH	SECPENT	CESCNT		
1.4	LESS	40	60	65	70	75	80	85	90	95	100	105	110	115	120	SUM
1.3	2	1	3	2	4	4	1	5	1 5	5	1	. 1		1		1 35
C.8 C.7 C.6	1						1	4	2	3	3	1				15
0.5												1				1
SUP	3	1	3	2	4	4	2	9	•	e	4	2		1		52
TIPE	£2.2	52.3	26.C	24.0	37.6	55.8	70.0	102.2	55.7	73.1	29.9	10.3	1.4	0.3	C.	654.1

	PAREUVER	NZ	PEAKS FOR	VELCCIT	Y VS	NZ E	A PETCH	25000	ALTI	TUCE	2000,	MISSICN	SECPENT	STEADY		
	LESS	40	•0	45	70	75	80	85	90	95	100	105	110	115	120	SUM
1.3							2	3	3	2	2					12
C.7 C.6								1	7	2						1¢
SLF							2	4	10	5	2					23
<b>TIPE</b>	98.6 2	7.6	14.2	3.1	9.8	4C.C	104.9	174.9	208.1	95.6	45.7	1.2	c.	c.	c.	623.5

	PEREUV	ER NZ F	PEAKS FC	R VELCC	ITY VS	NZ BY	<b>HEIGHT</b>	25CCC.	ALTEY	LEE 2	COC. MI	SSICN S	EGMENT	HOIST		
1.4	LESS	40	•0	65	70	75	80	85	90	95	100	105	110	115	120	SUM
1.3 1.2 C.8	2 14		•													14
SLF	16															15
1176	2.2	0.	с.	0.	<b>c</b> .	c.	c.	0.	c.	0.	c.	C.	c.	c.	ε.	2.2

	PAVERA	ER NZ	PEAKS FC	R VELC	CITY VS	NS B	A PEICH	25000	, ALTI	TUCE	2000					
	LESS	40	60	65	70	75	80	85	90	95	100	105	110	115	120	SUM
1.6					1				1							2
1.4	<b>A</b>	1				1										2
1.2	30	5	?	3	é	6	6	10	ıi	10	4	1		1		56
C.8	1			2			2	1	10			1				36
0.6				•	•		•	•		i	•	•				ĩ
0.5										•		1				1
O.4 SLP	25	6	3	é		7		17	23	19		3		1		144
TIPE	229.4	173.7	84.6	79.4	105.C	150.9	234.7	328.9	342.0	190.4	83.5	13.2	1.6	C.3	c.	2018.0
	PANELIV	SR M7	PEAKS FOR	VELC		NZ BY	<b>bEIGHT</b>	25000	. ALTI	TUCF	5000, P1	SSICK S	<b>L</b> EGMENT	ASCENT		

	PANEUVER	NZ	PEAKS FOR	AEFCCI	TY VS	NZ BY	PEICHT	25000,	ALTITO	UCE	5000, PI	SSICA	SEGMENT	ASCENT		
	LESS	40	60	65	70	75	80	85	90	95	100	105	110	115	120	SUM
1.3								1								1
C.7							1									1
0.5 SLP							2	1								3
TIPE	c.	3.4	3.C	5.é	10.5	12.4	15.2	17.9	11.6	7.0	1.4	0.1	c.2	c.	с.	92.7

	PAREUVER	NZ	PEAKS FOR	VELCCIT	Y VS	NZ EY	HEIGHT	25000,	ALTITU	E	5000,	*155ICA	SEGMENT	PANLVR		
1.2	LESS	40	60	65	70	75	80	85	90	95	100	105	110	115	120	SUM
1.3 1.2 0.4 SLP										1						1
SLP										1						1
TIPE	c.	О.	c.	C.	c.	C.	1.0	3 . 7	2.1	1.4	1.0	с.	с.	c.	c.	5.2

	MANEUVER	NZ	PEAKS FOR	VELCCI	TY VS	MZ E	* FEIGHT	25CCC,	ALTI	TLEE	5000,	™I\$SICN	SECPENT	CESCNT		
1.3	LESS	40	60	65	70	75		85	90	95	100	105	110	115	120	SUM
1.2						1				1						2
C.7											1					1
SLP						1				1	1					3
TIPE	0.	C.2	1.2	3.2	7.4	11.3	13.9	21.3	28.5	14.4	11.0	4.7	1.6	C.C	с.	115.1

	PANEUVER	NZ P	EAKS FOR	VELCO	ITY VS	NZ (	BY PEICH	1 25000	, ALTI	TLEE	5000,	PISSICA	SECPENT	STEADY		
	LESS	40	•0	45	70	75	80	85	90	95	10	0 105	110	115	120	SUM
1.3 1.2 C.6 0.7							1	2	1	1						5
0.7							2	2	3		. 1	l .				•
SUP							3	4	4	1	1	ı				13
TIPE	с.	1.3	1.1	5.5	15.2	23.7	97.7	170.3	220.8	70.é	21.5	7.2	12.5	1.7	0.	647.6

	PAREUV	ER NZ F	EAKS FO	M VELC	CETY VS	NZ E	Y MEIGH	1 25CCC	, ALTI	TLCE	5000					
1.3	LESS	40	•0	45	70	75	80	05	90	95	100	105	110	115	150	SUM
1.2						1	1	3	1	3						5
1.2 C.8 C.7 C.6							3	2	3		2					10 1
SLF						1	5	5	4	2	2					2 C
TIPE	c.	5.0	5.2	14.7	33.5	57.5	131.8	213.2	270.5	93.5	34.9	12.C	14.6	1.0	c.	

	PAREL	VER NZ	PEAKS F	OR VELC	CITY VS	NZ E	IA PEICH	1 25000								
1.6	LESS	40	40	65	70	75	80	85	90	95	100	105	110	115	120	SUM
1.5					1				1							2
1.4	10	1		3		1			1							. 2
1.2	40	6	4	4	1		į	13	12	13	4	1		1		125
C.0												_				
C.7	1	7		2	1		5	9	13	f 1	•	1				50
C.5	_									•		1				í
C.4 SUP	63		4	7		•	15	22	27	22	10					
30.	• • •	•	- 1	•			43		21	22	10	3		•		200
TIPE	448.4	220.C	106.7	163.5	148.5	219.4	374.8	546.4	415.7	284.4	116.9	25.2	16.4	2.1	c.	323C.C

	PAVERAE	R NZ P	EAKS FO	AEFCC	ETY VS	MZ BY	HEIGHT	27000,	ALTIT	UCE	LESS, PI	SSICA	SEGMENT	ASCENT		
1.3	LESS	40	60	65	70	75	80	85	90	95	100	105	110	115	120	SUM
1.2	1															1
C.a SLP	1															1
1176	3.4	1.3	0.1	0.2	C.4	C.4	c.	0.	c.	0.	c.	٥.	c.	0.	с.	5.0

	PAREUVE	R NZ P	EAKS FO	VELCC	ITY VS	N2 87	WE IGHT	27000.	ALTET	UEE L	ESS					
	LESS	40	•0	45	70	75	80	85	90	95	100	105	110	115	120	SUM
1.3 1.2 0.8 SLP	1															1
SLP	1															1
TIPE	12.2	2.3	C.1	C.2	C.é	C.4	c.	0.3	0.1	0.	٥.	c.	c.	c.	c.	16.1

	MAKEUV	ER NZ P	EAKS FO	R AEFCC	ITY VS	MS SA	PE I CH	27COC.	ALTIT	LCE	1coc. PI	SSICN S	EGPENT	ASCENT		
	LESS	40	60	65	70	75	80	85	90	95	100	105	110	115	120	SUM
1.3	1		1			1			1							4
C.e Sup	1		1			1			1							4
TIPE	28.3	14.6	5.6	7.5	4.1	2.1	1.5	C.4	C.8	0.	C.	c.	с.	c.	c.	65.4

	PANEUVER	ΝZ	PEAKS FOR	AEFCC 1	TY VS	NZ EY	HEIGHT	27000,	ALTITU	CE	1000,	PISSICH	SEGPENT	CESCNT		
	LESS	40	60	45	70	75	80	85	90	95	100	105	110	115	120	SUM
1.3 1.2 C.8		1														1
SLP		1														1
TIFE	17.1 1	3.2	2.0	2.7	2.c	1.5	C.5	C.4	2.4	1.3	0.7	c.	с.	с.	0.	43.8

	FAREUV	ER NZ I	PEAKS FO	R VELCO	ITY VS	NS 81	*E1G+1	2700C.	ALTIT	LCE	1000, #1	SSICA	SEGMENT	STEACY		
	LESS	40	63	65	70 .	75	80	85	90	95	100	105	110	115	120	SUM
0.7	2															5
C.6	2															2
TIPE	32.5	О.	с.	0.	C . 2	C.2	с.	0.7	C.3	0.	с.	с.	с.	с.	c.	33.9

	MANEUVE	RNZ	PEAKS FOR	AEFCC	ITY VS	NZ E	Y WEIGHT	27000.	ALTIT	UCE 1	COO					
1.3	LESS	40	60	65	70	75	80	85	90	95	100	105	110	115	120	SUM
1.2	1	1	:			1			1							5
C.8	2															2
SLP	3	1	1			1			1							7
TIFE	70.2	27.8	7.6	10.2	6.2	3.8	2.5	1.4	3.4	1.3	C.7	c.	<b>c.</b>	c.	с.	142.3

	PINEUVE	R NZ	PEAKS FOR	VELCC	ITY VS	NZ E	Y WEIGHT	27000.	ALTIT	UCE	2000. M	ISSICH	SEGPENT	ASCENT		
1.3	LESS	40	•0	65	70	75	80	85	90	95	100	105	110	115	120	SUM
3.2 C.8	1	2	1		1		2									7
C.7		1					2			1						4
SLP	1	3	1		1		4			1						11
3417	33.6	53.4	31.6	20.4	25.6	4C.1	35.7	28.5	15.5	7.4	4.4	C.é	c.	c.	c.	300.0

	PAREU	FR NZ P	EAKS FC	R VELC	CITY VS	NZ B	LEIGHT	27000,	ALTI	TUCE	2000.	ISSICN	SECHENT	CESCNT		
	LESS	40	60	65	70	75	80	85	90	95	100	105	110	115	120	SUM
1.3				2	1		4									7
1.2 0.e C.7 C.6						3			2					·		•
SLP				2	1	3	4		2							12
TIPE	16.2	15.1	7.6	12.2	13.5	14.C	22.4	30.0	32.9	23.7	6.9	2.2	c.	0.	c.	196.6

	PAREUV	ER NZ P	EAKS FCR	AEFCC	ITY VS	NZ 8	Y MEIGH	1 27000	ALTI	TUEE	SC00. h	ISSICN S	EGPENT	STEADY		
1.3	LESS	40	60	65	70	75		85	90	95	100	105	110	115	120	SUM
1.2							1	2	1							4
C.E SLP							1	2	4							4
TIPE	20.3	11.5	9.2	5.8	14.8	27.5	54.9	108.0	123.3	93.7	40.7	12.4	C-1	c.	с.	522.2

	PAREUV	ER NZ F	EAKS FO	R VELCC	ITY VS	MZ BY	PETCHI	27000,	ALTIT	UCE	2000. 1	SSICN S	ECPENT	F0157		
1.4	LESS	40	60	65	70	75	80	85	90	95	100	105	110	115	120	SUM
1.3 1.2 0.8 SUP	1															. 1
SLP	2															2
TIPE	c.3	0.	c.	0.	c.	c.	c.	c.	0.	0.	с.	с.	c.	с.	c.	C.2

	PAREUV	ER NZ	PEAKS FO	R VELC	CITY VS	MZ E	Y WEIGH	17 27000	, ALTI	TLCE	200C					
	LESS	40	•0	45	70	75	80	85	90	95	100	105	110	115	120	SUM
1.3	1 2	2	1	2	2		7	2	1							19
0.7		1				3	2		2	1						9
0.6 SLP	3	2	1	2	2	3	9	2	3	1						29
TIPE	70.3	.00	48.4	46.4	58.0	E2.7	114.5	166.7	171.7	124.8	52.C	15.1	C.1	0.	0.	1030.7

	PAREUV	ER NZ P	EAKS FOR	AEFCC	ITY VS	MS S	A PEICH	27000	ALTIT	LCE	5000 P	SSICA	EGPENT	ASCENT		
	LESS	40	•0	45	70	75	60	85	90	95	100	105	110	115	120	SUM
1.3 1.2 G.0 SLP										1						1
SLP										1						1
TIPE	c.	4.5	3.1	2.4	3.2	5.1	12-1	7.3	13.2	6.3	2.3	C.2	c.	c.	c.	62.C

	PANEUA	EN MY >	ENKS PU	4 AFTER	117 V3	W2 C1	MEJOR	21000	****		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	221FF 2	EUPENT	- WAL AM		
	LESS	40	60	65	70	75	80	85	90	95	100	105	110	115	120	SUM
0.7								2		1						3
C.6								2		1						3
TIPE	с.	0.	с.	c.	C.5	C.3	0.1	0.5	0.0	0.5	0.	с.	с.	c.	с.	2.6

	MANEUV	ER NZ P	EAKS FO	VELCO	ITY VS	NZ 81	4 MEIGH	7 27000.	ALTI	TUCE	5000. P	1551CA	SECPENT	STEACY		
	LESS	40	•0	65	70	75	80	85	90	95	100	105	110	115	120	SUM
C.7								1								5
0.6 5LP							1	1	1	2						5
TIPE	с.	٥.	c.	1.5	2.4	7.4	39.1	52.5	69.9	53.C	12.C	8.5	27.5	1.4	c.	276.C

	MAREUV	ER NZ P	EAKS FO	M AEFEC	ITY VS	NZ 8	Y PEICH	T 27CCG	ALTE	TUCE	5000					
1.3	LESS	46	٥٥	65	70	75	80	85	90	95	100	105	110	115	120	SUM
1.2 C.8 C.7										1						1
C.7							1	3	1	3						
SLP							1	3	1	4						9
TIPE	c.	5.0	4.1	7.4	9.4	16.1	41.C	48.9	89.3	74.4	17.6	10.2	28.5	1.4	c.	393.1

	PAREL	VER NZ	PEAKS F	OR AFFE	CITY VS	NZ E	A PEICH	7 27000								
1.4	LESS	•0	60	45	70	75	80	85	90	95	100	105	110	115	120	SUM
1.3	1 4	3	2	2	2	1	7	2	2	1						1 24
C.8 C.7 C.6	2	1				3	3	3	3	4						19
SUP	7	4	2	2	2	4	10	5	5	5						46
TIPE	140.7	115.1	6C.1	64.2	74.3	103.0	177.9	237.3	264.5	200.4	70.3	25.4	20.6	1.4	<b>c.</b> 1	1503.3

	MANEUVE	R NZ P	EAKS FOR	VELCC	ITY VS	NZ EY	WEIGHT	29000,	ALTIT	LCE 2	coc. Fi	SSICA S	ECPENT.	ASCENT		
1.3	LESS	40	60	45	70	75	80	85	90	95	100	105	110	115	120	SUM
1.2							1									1
SLP							1									1
1116	9.1	6.5	6.1	5.3	4.9	3.C	2.6	0.9	C.1	с.	c.	с.	c.	٥.	с.	39.4

	MAKEUVER	NZ	PEAKS FOR	AEFCC	ITY VS	NS EA	HEIGHT	29COC,	ALTIT	UCE	2000,	ISSICN	SECMENT	CESCNT		
1.3	LESS	40	60	65	70	75	80	45	90	95	100	105	110	115	120	SUM
1.2 C.8 Sup						1	3									4
SLP						1	3									4
TIPE	6.6	2.7	1.4	1.7	4.4	3.9	4.1	4.0	3.4	1.3	с.	с.	с.	с.	c.	33.3

	PAREUVER	NZ P	EAKS FOR	AEFCCI	TY VS	MI SA	METCHI	29000.	ALTITU	CE	2COC. #1	\$ \$ 1 C A	SEGPENT	STEADY		
	LESS	40	60	65	70	75	80	85	90	95	100	105	110	115	120	SUM
C.8 C.7 C.6 Sum									2							2
SUP									2							2
71+6	é.8	c.	с.	0.	c.	C.4	1.2	4.4	10.1	e.2	с.	с.	с.	c.	c.	37.2

	PAREUVE	H NZ P	FAKS FC	R VELCO	ITY VS	NZ EY	MEIGHT	29000,	ALTIT	LCE	2000					
	LESS	40	•0	65	70	75		85	90	95	100	105	110	115	120	SUM
1.3						1	4									5
C.8									2							2
56						1	4		2							7
1116	22.9	9.2	7.4	7.C	5.2	7.2	8.5	9.3	21.6	7.5	c.	с.	с.	с.	с.	110.2

	MAVFTAE	NZ P	FARS FOR	AEFCCI	TY VS	NI FA	PETCHA	29000,	ALTITU	CE	5000.	PISSICN	SECMENT	STEADY		
C.8	LESS	40	60	65	70	75	80	85	90	95	100	105	110	115	120	SUM
C.7					1											1
C.e SLP					1											1
11>E	с.	с.	c.	1.5	£. £	10.2	34.3	20.1	8.7	1.0	1.5	1.7	c.	с.	c.	€5.€

	MAREUVER	NZ P	EAKS FC	NELCC	ITY VS	NZ E	A PETCH.	1 29000,	ALTIT	LCE 5	COO					
	LESS	40	60	65	70	79	80	85	90	95	100	105	110	115	120	SUH
C.7					1											1
C.6 SLM					1											1
TIME	с.	C.9	C.5	3.6	5.2	11.2	35.2	22.6	10.5	2.2	1.5	1.4	c.	0.	c.	59.6

	PAVER	VER NZ P	EAKS F	OR VELC	CITY VS	NZ B	A PEICH	7 29000								
	LESS	40	<b>●</b> 0	65	70	75	80	85	•0	95	100	105	110	115	120	SUM
1.3						1	4									5
0.7					1				2							3
C.6 SUM					1	1	4		2							
TIME	38.2	14.5	8.7	11.3	16.5	19.1	44.C	32.1	32.1	9.8	2.5	1.4	c.	c.	с.	232.3

	MANERAL	ER NZ F	EAKS FE	M AETCC	114 A2	#Z #Y	HEIGHT	31000,	ALTIT	UEE 1	1000, 1	SSICM	SEGPENT	ASCENT		
	LESS	<b>⇒</b> 0	60	65	70	75	80	85	90	95	100	105	110	115	120	SUM
1.3 1.2 C.8	1															1
SUM	1															1
TIME	1.6	0.	c.	c.	c.	c.	c.	c.	0.	c.	0.	c.	с.	с.	c.	1.6

	PANEUVER	NZ P	EAKS FC	R AEFEC	ITY VS	NS EA	<b>MEIGHT</b>	Blccc,	ALTIT	LCE 1	COO					
1.3	LESS	40	60	45	70	75	.0	85	90	95	100	105	110	115	120	SUM
1.2	1															1
SLM	1															1
TIME	28.2	0.4	C.1	0.	c.	c.	c.	0.	0.	c.	0.	c.	с.	c.	c.	28.7

	MANEUA	ER NZ P	EAKS FO	W AEFCC	ITY VS	NZ EY	PEIGHT	31CC0								
1.3	LESS	40	<b>⊕</b> 0	65	70	75	80	85	90	95	100	105	110	115	120	SUM
1.2	1															1
C.B SUM	1															1
TIPE	66.2	17.9	4.7	3.3	2.2	e.c	1.2	0.	c.	c.	c.	c.	c.	0.	c.	102.5

	MAREUVER NZ		PEAKS FCR	VELCCITY	TY VS	MS BA	WE I GHT	35CCO.	ALTITUDE		1COC. PI	SSICA	SEGPENT	CESCHT		
	LESS	40	●0	65	70	75	80	85	90	95	100	105	110	115	120	SUM
1.3	1															1
C. B	1															1
TIPE	2.0	1.6	C.3	0.	с.	c.	c.	0.	0.	С.	0.	c.	c.	c.	с.	3.9

	MAREUVER	NZ P	EAKS FOR	AEFCC1.	TY VS	NZ EY	HELGHT	35CCC.	ALTITU	CE 10	00, PIS	A 1 E	SEGPENT	FOIST		
	LESS	40	•0	45	70	75	80	85	•0	95	100	105	110	115	120	SUM
1.5	1															1
1.3	1															1
SUP	2															2
TIPE	C-1	٥.	c.	0.	c.	с.	с.	0.	0.	с.	c.	c.	с.	с.	0.	C.1

	MANEUVER	NZ F	EAKS FOR	VELCCITY VS		NZ EY WEIGHT 35CCC.			ALTIT	LCE I	COO					
	LESS	40	60	45	70	75	80	85	90	95	100	105	110	115	120	SUM
1.5	1															1
1.3 1.2 C.9	2															2
SUP	3															3
TIPE	5.2	1.6	C.3	0.	c.	c.	с.	0.	c.	c.	c.	c.	ε.	c.	c.	7.2

	MAREU	VER NZ	PEAKS FO	OR VELC	CITY VS	MZ 0	4 PEICH.	35000								
	LESS	40	60	45	70	75		85	90	75	100	105	110	115	120	SUM
1.5	1															1
1.3	2										•					2
SLP	3															3
1146	21.2	47.9	42.5	27.3	47.0	12.5	14.6	0.7	C.	c.	c.	0.	c.	0.	c.	244.1
	MAREU	VER NZ	PEAKS FO	OR VELC	CITY VS	NZ B	V BEICHT	36000.	ALTI1	TUCE (	LESS. PI	43122	ECPENT	H015T		
	LESS	40	60	65	70	75	80	85	90	95	100	105	110	115	120	SUM
1.3	1															1
C.B SLP	1															1
TIPE	C.2	0.	0.	c.	c.	c.	c.	0.	0.	c.	0.	с.	c.	с.	c.	C.2
			PEAKS FO				r hEIGH1		ALTII		.ESS					
1.3	LESS	40	60	45	70	75	80	85	•0	95	100	105	110	115	120	SUM
C.O SUP	1															1
TIPE	2.0	0.3	c.	٥.	c.	c.	с.	0.	٥.	c.	c.	٥.	c.	c.	с.	2.4
				R VELCC					ALTIT	LEE 1	C00. PI					
1.4	LESS	40	•0	45	70	75	80	85	90	95	100	105	110	115	150	SUM
1.3	2															2
0.8	2															2
C.6	5															5
TIPE	c.2	0.	c.	c.	c.	c.	с.	c.	c.	0.	с.	c.	c.	О.	с.	C . 2

					<b></b>											
		VER NZ			CITY VS			36000,	ALTI		1000					
1.4	LESS	40	60	65	70	75	●0	65	90	95	100	105	110	115	120	SUM
1.3	2															2
C.8	2															2
C.é SLÞ	5															5
TIPE	21.2	5.4	4.5	3.6	2.0	C.6	с.	c.	٥.	с.	0.	с.	c.	с.	c.	41.6
1170	71.2	7.4	••5	3.6	2.0				٥.	٠.	U•		٠.	۲.	٠.	*1.0
1.3 1.2 C.e SUP	M&NEU LESS	VER NZ 40	PEAKS F 60 1	OR VELC	CITY VS 70	NZ 81 75	WEIGHT	96000. <b>95</b>	AL131	TLCE <b>9</b> 5	2000. FI	105	SEGPENT 110	CESCNT 115	120	SUM 1
1176	£.3	15.4		20.4	22.9	15.1	6.9	4.1	C.4	с.	с.	c.	c.	0.	с.	105.3
															•	
		VEH NZ	PEAKS F		ITY VS			36CCO,	ALTIT		2000					C.I.Z
1.3	LESS	•0	60	65	70	75	●0	85	90	95	100	105	110	115	120	SUM
1.2			1								•					1
SLF			1													1
TIPE	23.6	41.2	42.0	53.6	58.7	63.5	21.7	5.9	0.5	c.	C.	с.	c.	с.	0.	311.2

	MAREUV	ER N7	PEAKS F	OR VELC	CITY VS	NZ E	Y MEIGHT	34000								
	LESS	40	60	65	70	75	80	85	90	95	100	105	110	115	120	SUM
1.3	2		1													2
0.7	2															2
SCM	6		1													7
11 P.E	46.8	53.4	50.4	e7.1	74.C	71.2	24.2	7.5	C.7	c.é	с.	с.	с.	c.	с.	396.0

	MAREUVE	R NZ F	EAKS FO	AEFCC	ITY VS	MS SA	MEIGHT	370CC.	ALTIT	UCE	1000, FI	\$51CA	SECPENT	HCIST		
	LESS	40	60	65	70	75	80	85	90	95	100	105	110	115	120	SUM
1.4	1															1
C.B SLM	2															2
TIME	C . 3	с.	c.	C.	с.	c.	c.	C.	0.	c.	0.	c.	c.	c.	c.	C.3

	MANEUVE	R NZ P	EAKS FO	A AEFCC	STY VS	NZ EY	NEIGHT	37000.	ALTIT	LCE I	rcoo					
	LESS	40	60	65	70	75	80	85	90	95	100	105	110	115	120	SUM
1.3	1															1
C.B SUM	2															2
<b>3417</b>	26.7	10.4	2.8	3.6	1.4	C.7	c.	c.	0.	c.	c.	c.	с.	c.	c.	45.8

	PAREUVE	R NZ I	EAKS FO	M AEFC	CITY VS	NZ E	PEIGHT	37000.	ALTET	LCE	SCOC. M	SSICA	SEGPEAT	ASCENT		
1.5	LESS	40	60	65	70	75	60	85	90	95	100	105	110	115	120	SUM
1.4							1									1
1.2	1	1														5
SUP	1	1					1									3
TIPE	11.3	31.0	31.3	37.1	19.3	12.6	3.7	C.8	0.9	2.1	0.5	C.é	c.	c.	c.	151.4

	MENEU	ER NZ	PEAKS FO	A AETC	CITY VS	NZ	RA PETCHA	37CCC,	ALTIT	LCE	Scoc.	PISSICA	SEGPENT	CESCNT		
	LESS	40	60	65	70	75	80	85	90	95	100	105	110	115	120	SUM
1.3				1												1
C.H SLM				1												1
1175	14.1	36.5	24.1	40.4	23.6	12.6	10.1	1.7	C.5	с.	C.6	c.	<b>C</b> •	с.	с.	169.7

	MAREUVER	NZ	PEAKS FOR	VELCC	TY VS	N2 8 Y	WEIGHT	37000.	ALTITU	EE	2000, #1	43122	SECHENT	+C1ST		
1.3	LESS	40	60	45	70	75	80	85	90	95	100	105	110	115	120	SUM
1.2	é															6
SL#	6															é
TIPE	C.5	с.	c.	c.	с.	c.	c.	c.	0.	c.	. 0.	c.	с.	c.	C .	C.5

	MAREUVE	R NZ	PEAKS F	OR VELC	CETY VS	NZ B	* WEIGHT	37000,	ALTIT	LCE 2	5000					
1.5	LESS	40	60	45	70	75	80	85	90	95	100	105	110	115	120	SUM
1.4							1									1
1.3	7	1		1												9
SLP	7	1		1			1					·				10
TIPE	22.4	21.5	104.4	141.¢	92.2	50.6	26.1	4.3	1.9	4.2	4.4	1.é	c.	с.	с.	553.2

	MAKEU	VER NZ	PEAKS F	OR VELC	CITY VS	NZ B	A PEICHL	37000								
1.5	LESS	40	60	65	70	75	80	85	90	95	100	105	110	115	120	SUM
1.4 1.3 1.2 C.8 SLP	1	1		1			1									1 1 10
SLP	9	1		1			ı									12
TIPE	62.3	97.2	111.4	155.3	108.9	73.7	28.5	6.0	6.0	6.1	5.4	1.6	c.	¢.	С.	663.C

	PANEUVER	NZ F	PEAKS FOR	AEFCCI	TY VS	MS EA	he i gh i	38CCC,	ALTITU	DE LI	ESS, #15	SICA	SEGPENT C	ESCNT		
	LESS	40	40	65	70	75	80	85	•0	95	100	105	110	115	120	SUM
1.3 1.2 C.0 SLP	1															1
SUP	1															1
TIPE	C.7	0.2	с.	0.	c.	c.	ε.	c.	c.	0.	c.	0.	с.	c.	с.	C.9

	MAREUV	ER NZ F	PEAKS FOR	VELCC	ITY VS	MS BA	PETCHL	38000,	ALTIT	UCE	LESS					
	LESS	40	<b>⊕</b> 0	45	70	75	80	85	90	95	100	105	110	115	120	SUM
1.3	1															1
0.0 SLP	1															1
TIPE	4.1	0.8	C.4	0.	1.0	C.3	c.	c.	0.	٥.	ċ.	с.	с.	с.	c.	6.6
	PAREUV	ER NZ P	EAKS FOR	VELCCI	ITY VS	MZ EY	he I GFT	30000.	ALTETO	LCE	icoc, Pi	SSICA S	EGMENT	CESCNT		
1.3	LESS	40	60	65	70	75	80	85	90	95	100	105	110	115	120	SUM
1.2	1															1
SUP	1															1
TIPE	15.9	13.0	1.5	0.2	C.3	c.	C • 2	0.	с.	0.	C.	c.	c.	c.	c.	35.9

	PAREUVER	NZ P	EAKS FOR	AEFCC	TV VS	NZ	BA PEICHL	38000,	ALTITU	CE	1000.	PISSICA	SEGMENT	HOIST		
	LESS.	40	60	65	70	75	80	85	90	95	100	105	110	115	120	SUM
1.4																
	3															3
1.2 C.8 C.7	Ē															
	1															1
0.6 5LP	5															5
TIPE	C.3	С.	c.	0.	с.	с.	C.	С.	0.	с.	c.	о.	c,	0.	с.	C.3

##REUVER NZ PEAKS FOR VELCCITY VS NZ EV NEIGHT 38COC, ALTITUCE 1COC

LESS 40 60 65 70 75 80 85 90 95 100 105 110 115 120 SUB

1.3 1
1.2 4
C.8
C.7 1
C.6
SLP 6

IME 21.8 21.2 7.2 3.6 1.7 1.1 C.3 0. 0. C. C. C. C. 66.5

	PAREU	VER NZ	PEAKS FO	DR VELC	CITY VS	NS BA	WEIGHT	38000,	ALTET	LCE	5000 · h	ISSICA	SECPENT	ASCENT		
1.3	LESS	40	٥٥	65	70	75	80	85	90	95	100	105	110	115	120	SUM
1.2	1															1
C.8	1															1
TIPE	35.4	67.7	56.0	59.2	22.5	16.1	5.3	1.3	с.	c.	c.	0.	с.	0.	с.	283.5

	WAVEO	VER NZ	PEAKS FO	SE AETO	CETA A2	WZ B	A PEICH	38000,	ALTIT	UCE	\$500 . W	ISSICN	SEGPENT	CESCHT		
	LESS	40	60	65	70	75	80	85	90	95	100	105	110	115	120	SUM
1.3			1		1											2
0.8 C.7	1															1
C.6 SLP	1		1		1											3
TIPE	16.0	47.9	33.0	30.0	29.1	23.5	14.6	6.0	1.7	0.5	с.	c.	c.	0.	с.	211.1

	PAREU	ER NZ	PEAK? PI	CM AFFE	CELA A2	M.C. E	. MEIGE	30000	****	ULE	200C. PI	331FM	SEGPENI	SIESCY		
	LES5	40	60	65	70	75	.0	85	90	95	100	105	110	115	120	SUM
1.3 1.2 C.8 SUP						1										1
SLP						1										1
TIME	6.2	19.2	43.1	53.7	66.5	57.5	14.3	1.0	0.7	о.	٥.	c.	с.	с.	C.	262.3

	PAVERA	ER NZ	PEAKS FO	SA AEFC	CITY VS	NZ E	A PEICH	38C0C.	ALTIT	LCE	2000. PI	SSICNS	EGMENT	POIST		
1.3	LESS	40	60	65	70.	75	80	85	90	95	100	105	110	115	120	SUM
1.2 C.0 SUP	3															3
SLP	3															3
TIPE	C-1	0.	с.	0.	c.	c.	<b>C.</b>	c.	c.	0.	C.	c.	с.	0.	с.	C.1

	PAREL	IVER NZ	PEAKS F	CR VELC	CITY VS	NZ E	NEIGHT	38000,	ALTIT	uce a	2000					
	LESS	40	60	65	70	75	80	85	90	95	100	105	110	115	120	SUM
1.3	4		1		1	1										7
0.7	1															1
SLP	5		1		1	1										
TIPE	58.6	154.8	132.1	151.0	116.0	57.C	34.2	8.3	2.4	0.5	0.	с.	c.	0.	с.	757.0
			PEAKS F				NEIGHT									1200
1.4	LESS	40	60	65	70	75	80	85	90	95	100	105	110	115	120	SUM
1.3	. 1		1		1	1										12
1.2 C.8 C.7 C.6	2															2
SLP	12		1		1	1										15
TIPE	94.5	193.C	150.4	192.9	150.0	117.6	39.9	9.8	2.8	0.5	0.	<b>c.</b>	c.	C.	c.	951.6
			PEAKS F			N2 EY	hEIGHT		ALTIT		COO. PI				120	4.3
1.3	LESS 1	40	•0	65	70	13	•0	45	90	95	100	105	110	115	120	SUM
C.F SUM	1															1
1106	15.2	5.7	3.1	1.0	1.1	1.6	C.4	0.	c.	c.	0.	с.	c.	с.	с.	32.2
•••					•••											
	MAREU	VER NZ	PEAKS FO	OR VELC	CITY VS	NZ BY	WEIGHT	39000.	ALTITO	uce 1	C00, P1	SSICA S	EGPEN1	HCIST		
	LESS	40	60	65	70	75	80	85	90	95	100	105	110	115	120	SUM
1.7	1															1
1.5																_
1.2	1															2
SLF	4															4

	PANEUVER NZ PEAKS FOR VELCCITY VS NZ BY WEIGHT 39000, ALTITUDE 1000															
	PANEU	VER NZ	PEAKS FO	R VELCO	ITY VS	MZ B	Y WEIGHT	39000,	ALTIT	UCE	1000					
	LESS	40	60	45	70	75	80	85	90	95	100	105	110	115	120	SUM
1.7	1															1
1.4	2															2
1.2	ž															ž
SLP	5															5
TIPE	29.1	15.1	3.5	2.0	1.5	1.0	C.4	0.	0.	0.	C .	C.	c.	C.	с.	63.4
	PAREU	VER NZ	PEAKS FO	R VELCO	ITY VS	NZ E	Y WEIGHT	39000,	ALTIT	UCE	2C0C, P1	SSICA S	EGPENT	ASCENT		
	LESS	40	60	65	70	75	80	85	90	95	100	105	110	115	120	SUM
1.2	1			1												2
C.8 SUP	1			1												2
TIPE	32.9	77.3	47.C	43.4	24.4	14.5	3.C	0.3	0.2	0.	0.	с.	c.	с.	С.	245.6
			PEAKS FO				v hEIGHT		ALTITO		2000, PI					
0.8	LESS	40	60	65	70	75	80	45	90	95	100	105	110	115	120	SUM
0.7 0.6 SLP						1										1
TIPE	12.3	45.7	24.2	24.3	27.6	20.4	10.1	3.2	C.7	0.4	с.	c.	с.	0.	c.	168.9

	PANEUVE	R NZ	PEAKS FOR	VELCCIT	IV VS	NZ	BY WEIGHT	39000,	ALTIT	LCE	2COC. *1	SSICN	SEGMENT	POIST		
1.6	LESS	40	•0	45	70	7	9 80	85	90	95	100	105	110	115	120	SUM
1.5	1															1
1.4	4 2															4 2
C.7 C.7	1															1
SLP	e															
TIPE	C .5	0.	С.	c.	с.	с.	<b>c.</b>	с.	с.	С.	С.	с.	с.	c.	с.	C.5

MANEUVER NZ PEAKS FOR VELCCITY VS NZ EY WEIGHT 39CCC. ALTITUDE 2COC

1.5 1.4 1.3 1.2 0.6 C.7 C.6 SLM	1 4 3 1			1		1										1 4 4 2 11
TIME	51.4	147.4	96.8	121.0	107.0	73.3	32.8	6.2	3.0	0.4	с.	с.	с.	0.	с,	e39.4
	MANEU	IVER NZ	PEAKS F	CR VELC	CITY VS	NZ E	v weight	39000								
1.7	LESS	40	60	65	70	75	80	85	90	95	100	105	110	115	120	SUM
1.6	1															1
1.4	é 5			1												6
C.8	1					1										2
C.E	14			1		1										16
TIME	94.1	171.0	123.7	173.7	146.1	53.9	37.C	6.4	3.2	0.4	С.	0.	с.	0.	с.	849.5
	PANEL	UVER NZ	PEAKS	FOR VELO	CCITY VS	NZ E	Y WEIGH	1 400CC,	ALTI	TLCE	LESS, Þ	ISSICA	SEGMENT	+01ST		
1.5 1.4 1.3 1.2 C.8 SEM	LESS 1 1 2	40	٤0	65	70	75	80	85	90	95	100	105	116	115	120	5UF 1 1 2
TIPE	c.1	c.	c.	c.	с.	c.	c.	0.	0.	с.	0.	с.	с.	c.	с.	C.1
	PAREU			FOR VELC					ALTE		LESS					
1.5	LESS 1	•0	00	65	70	75	80	85	90	95	100	105	110	115	120	Sum
1.3	1															1
C.e SLM	2															1 2
TIPE	t.8	1.4	c.	c.	с.	c.	c.	0.	0.	0.	0.	с.	с.	с.	с.	e. 2

1.2	LE5"	•.*														
		•	e 0	65	70	75	80	85	90	95	100	105	110	115	120	504
1.2	4															4
SLM	4															4
11#e	11.8	7.7	1.2	0.7	1.6	с.	с.	с.	с.	с.	с.	с.	с.	с.	с.	23.2
•••			•••	•••	•••	•	••	••	••	•	••	•	•	•	•	
																•
	▶1NE U	VER NZ	PFAKS FCI	₹ VELCC	ITY VS	NZ EY	hE1G+1	4CCCC,	ALTIT	LCE	1000, +1	SSICA	SECPENT	HCIST		
	LE55	• 0	60	65	70	75	80	85	90	95	100	105	110	115	120	SUM
2.0 1.8 1.7 1.6 1.5	1															1
1.4	2															,
1.2	5															2 5
C.7	1															1
SUM	9															ç
TIPE	(,8	с.	с.	С.	с.	с.	с.	с.	c.	0.	0.	С.	с.	с.	c.	C.8
	WZN=U	ven nz	PHAKS FO	· VELCC	ITY VS	NZ BY	<b></b> #E1G+1	4CCCC,	ALTIT	LCE	1000					
2.C	LESK	• ~	e î	65	70	75	80	85	90	95	100	105	110	115	120	SUM
1.: 1.7 1.6	:															1
1.4																2 5
1.2	4															5
C.6	i															1
61.	1 *															13
11+1	46.4	20.7	4.6	7.2	3.4	1.7	1-2	C.3	c.	c.	0.	с.	с.	с.	c.	E4.5

	4000	VE# */	ttak - tu	R VELC	CITY VS	w 2 e	4 MEIGHT	4CCCC.	ALTIT	LCE	2000, M	ISSICN	SECMENT	ASCENT		
	Lt 5t	4	e.c	65	76	75	80	85	90	95	100	105	110	115	120	SUM
1	1															1
°. #																1
714:		156.	99.0	51.3	27.0	15.5	10.0	1.0	C.1	с.	с.	С.	с.	0.	с.	395.5

MANEUVER NZ PFAKS FOR VELCCITY VS. NZ. BY BEIGHT 40000, ALTITUCE 2000, MISSICH SEGMENT CESCHT

	PAREL	AFM MS	PENKS P	OK AFT	CTIA A2	MZ 81	MEIGH	40000,	AL11	TULE 2	1000, PI	221FW	SEGPENI	CESCHI			
	LESS	40	60	65	70	75	80	85	90	45	100	105	110	115	120	SUM	
1.3					1											1	
C.8						1										1	
C.6 SUM					1	1										2	
TIPE	23.0	46.5	28.4	39.3	41.2	23.8	10.6	2.1	1.4	0.4	0.5	0.	с.	c.	c.	217.2	
••••				,,,,	****			•••	•••		•••	••	••	••	••	•••••	
	PAREL	IVER NZ	PEAKS F	CR VEL	CITY VS	NZ BY	wEIGH1	40000	ALTI	TUCE 2	CCC. +1	SSICA	EGPENT	HCIST			
1.4	LESS.	40	00	65	70	75	80	85	90	95	100	105	110	115	120	SUM	
1.3	1 5															1	
C.6																5	
C.7	1															1	
SUP	7															7	
TIPE	C.5	0.	с.	c.	c.	с.	c.	0.	0.	٥.	0.	с.	с.	c.	c.	C.5	
	MANEU	VER NZ	PEAKS F	OR VELC	CETY VS	NZ BY	<b>LEIGHT</b>	40000,	AL111	ILCE 2	coc						
	LLS5	40	60	65	70	75	80	85	90	95	100	105	110	115	120	SUM	
1.4	1															1	
C.0					1	_										7	
0.7	1					1										2	
SUP	•				1	1										10	
1146	67.1	257.3	145.2	154.4	152.1	72.8	37.3	5.6	3.1	1.0	C.5	c.	c.	0.	c.	920.4	
	W 84.511	VED N7	DEAKS E		C114 LC	NZ EY	LEIGHT	40000									
										144							
2.C	LE55	40	60	65	70	75	•0	85	90	95	100	105	110	115	120	SUM	
1.7	•															1	
1.6																	
1.4	3															1	
1.2	16				1											47	
0.6	2					1										3	
SEP	23				1	1										25	
TIFE	135.9	292.4	170.0	208.7	205.2	109.8	55.0	7.7	3.3	1.0	0.5	с.	c.	c.	0.	1194.3	

TABLE XXVII - Concluded

	MANEL	JVER NZ	PEAKS	FOR VEL	CCITY V	S NZ										
	LESS	40	•0	•!	70	79	80	) a:	90	95	100	105	110	115	120 5	AU ĉ
1.0	1															1
1.7	l								•							1
1.5	- 6	1		1		2	1		•							10
1.3	34	ž		ī	1	ž	3	2	2							47
1.2	156	17	9	15	21	20	34	27	38	20		3		1	3	73
0.7	16	2		5	e	11	16	16	39	26	ę	2	1		1	48
0.6							2	1		1						5
C.4	•											•				~
SLM	219	5.5	5	22	25	35	50	44	ec	47	16	6	1	1	5	91
1175	1568.2	1433.2	527.6	1133.1	1121.3	1050.7	1100.1	1246.0	1423.9	742.9	296.5	73.2	52.2	4.1	C. 122C9	. 1

# TABLE XXVIII. $n_{\mathbf{x}}$ PEAKS FOR AIRSPEED VERSUS $n_{\mathbf{x}}$ BY WEIGHT, SAMPLE I

	NX	PEAKS F	OR AI	RSPEED	VS 44	SY W	ETGHF	LESS								
0.10	LESS	40	60	65	70	75	8C	85	90	95	100	105	110	115	120	SUM
0.10 0.15 0.20	1															1
SUM MINS	U.8	0.5	J.	0.4	) <b>.</b> :	0.8	9 . د	3.0	6.5	1.2	0.2	0.	0.	0.	0.	14.4
	<b></b>	PEAKS F	, D. A.	RSPEED	VS NX	BY WI	ETGH"	21000								
	LESS	PEARS F	67	65		75	ec	85	93	95	100	105	110	115	120	MLZ
-0.25		40	• •	•		.,			1			1		1		•
-0.15 -0.10								2	1	2		1	1	ı		13
0.1G 0.15 0.20	13 15 5												•			15
2 × 1 × 2 × 0	33 49.1	24.5	19.5	10.3	11.9	24.5	31.2	57.4	72. B	34.2	21.0	10.6	3.9	0.4	0.	45 362 • 3
	MY	PEAKS FO	OR ATR	SPEED	VS NX	RY WE	IGHT 2	3000								
	LESS	40	60	65	70	75	•C	85	90	95	100	105	110	115	120	SUM
-0.30 -0.25 -0.20								1	1 2							1 4
-0.15								i	5	3	6	2	•			21
0.10 0.15 0.20 0.25	27 47 18	1			1											29 47 18 1
0.30 MU2 2mim	93 299.5	148.8	69.8	86.1	122.5	168.0	275.3	330.5	416.2	224.3	77.7	9.2	3.2	0.2	0.	121
	NX	PEAKS FO	R AIR	SPEED	VS NX	BY WE	IGHT 2	5000								
-0.25	LESS	40	60	65	70	75	•c	85	90	95	100	105	110	115	120	SUM
-0.20 -0.15	1								4	1 2	2	1 2		1		5 11
-0.10 0.10 0.15 0.20 0.25	29 64 18 3	3	1		1											34 64 10 3
0.30 0.35 0.40 SUM	1 1 117	3	1		1	•••			1	3	2	3		. 1		1 1 137
MIM5	****	220.0	106.7	103.2	148.5	219.4	374.E	546.4	615.7	284.4	118.9	25.2	16.4	2.1	0.	3230.0
	NX	PEAKS FO	DR AIR	SPEED	VS NX	87 WE	IGHT 2	7000								
-0.20	Läss	40	69	65	71	75	80	85	90	95	100	105	110	115	120	SUM
-0.15											ı					1
0.15 0.20 0.25	13 26 9	2	1													13 26 9
SUM	160.7	115.1	61.1	64.2	74.1	173.0	177.9	237.3	264.5	200.4	70.3	25.4	49.6	1.4	٥.	49 1583.2

	NX	PEAKS F	GA AIR	SPEED	VS NX	BY WE	15H* 25	9000								
	LESS	40	00	55	70	75	ec	85	40	95	.00	105	110	115	123	SUM
0.10	1															1
0.15 0.20 Sup	6															6
4145	38.2	14.5	4.7	11.3	10.5	19.1	44.C	32.1	32.1	9.8	2.5	1.4	0.	0.	0.	232.3
	NX	PEAKS F	OR ATR	SPEED	VS NX	BY WE	IGHT 3	000								
	Less	40	6.3	65	70	75	PC	9.5	ŧυ	75	100	105	110	115	120	SUM
-0.20							ì									1
-0.10 0.10 0.15	1															1
0.2C	2						1									1
MINS	66.2	47.9	4.7	3.3	3. `	6.0	2	э.	0.	э.	J.	0.	0.	0.	0.	102.5
	NX	PEAKS F	R AIR	SPEED	VS NK	BY WE	TGHT 33	1000								
	LeSS	43	6)	<b>6</b> 5	7 '	75	εc	85	90	95	100	105	110	115	120	5.14
-0.10 0.10	3															3
0.15 0.20 0.25		1														5 1
40.5 14.7 14.7	40.5	1 7.0د	15.7	19.4	11.5	18.9	ė	0.3	0.	J.	٥.	э.	າ.	o.	0.	154.3
				•												
	N.X	PEAKS F	JR AIRS	SPEED	VS NX	8Y WE	IGHT 35	000								
-0.10	6:53	43	60	05	71	75	90	85	30	95	100	105	110	115	120	SUM
0.10	5															1 5
0.20	í															1
MINS	7 2 2	47.9	45	37.3	47.	32.5	14.6	0.7	0.	0.	٥.	0.	э.	0.	0.	7 244.1
	NX	PEAKS F	OR AIRS	SPEED	AS MX	BY WE	13HT 36	000								
-J.1C	LESS	40	67	65	<b>7</b> 7	75	80	85	10	95	1 20	105	113	115	120	S 14
0.10	3															a 2
0.20	5															5
4145	17 40.8	33.4	50.4	57.1	74.1	71.2	2 2	7.5	0.7	0.6	Э.	ο.	o.	0.	^.	396.7

### TABLE XXVIII - Concluded

	MX	PEAKS FO	OR AIR	SPEED	A2 MX	BY ME	IGHT 37	000								
-0.20 -0.15	LESS	40	60	65	70	75	<b>e</b> c	85	90	95	100	105	110	115	120	SUM 2
-0.10 0.10 0.15 0.20 0.25	5 9 4								-		•					5
MIMS	18 62.3	97.2	111.4	155.3	108.9	73.7	28.5	6.8	6.0	6.1	5.4	1.6	٥.	0.	0.	663.0
	NX	PEAKS FO	R AIR	SPEED	VS 14 K	HY WE	[SHT 38	000								
	LESS	43	63	65	7.9	75	80	85	37	95	100	105	110	115	120	SUM
-9.10 9.10 9.15 9.20 9.25 9.30	6 9 5 2	ž			:											7 10 5 2
MUS SWIM	2J 94.3	193.0	15,,4	192.9	150.2	117.0	39,9	9.8	2.8	0,5	0.	0.	0.	0.	o.	951.6
	NX	PEAKS FO	R AIR	SPEED	VS NX		TGHT 39	000								
-0.10	NX LESS	PEAKS FO	OR AIR	SPEED 65	VS NX 70	8Y WE	EGHT 39	0000 05	90	95	100	105	110	115	120	SUM
-0.10 0.10 0.15 0.20 0.25 0.3C	LESS 12 7					75			90	95	100	105	110	115	120	4 12 7 1
0.10 0.15 0.20 0.25	LESS 2 12 7	40		65		75			90 3.2	95	100	105	0.	0.	0.	12 7
0.10 0.15 0.20 0.25 0.30 SUM	LESS 2 12 7 1 1 22 94-1	40	60 123.7	45	70	75	37.C	45								4 12 7 1
0.10 0.15 0.20 0.25 0.36 Sum MINS	LESS 2 12 7 1 1 22 94-1	40 171.0	60 123.7	65 1 173.7	70 146-1 VS NX	75	37.C	6.4								4 12 7 1
0.10 0.15 0.20 0.25 0.30 SUM	LESS 2 12 7 1 22 94-1	171.0 PEAKS F	60 123.7 OR AIF	65 1 173.7	70 146-1 VS NX	75 1 93.9	8C 37.C	6.4	3.2	0.4	0.	0.	0.	0.	0.	4 12 7 1 24 849.5

### TABLE XXIX. $n_{\mathbf{x}}$ PEAKS FOR AIRSPEED VERSUS $n_{\mathbf{x}}$ BY ALTITUDE, SAMPLE I -0.10 3.10 0.15 0.20 0.25 SJW 107.4 0.2 0. ٥. NX PEAKS FOR 100 105 110 120 SUM 1 34 84 24 1 2 36 84 24 1 NX PEAKS FOR 120 SUM 1 9 34 132 50 7 773.9 869.3 848.5 786.6 716.4 798.6 905.4 523.9 207.8 100 195 110 115 120 SUM -0.25 -0.20 -0.15 -0.10 0.10 0.15 SUP SUM 13 44 123 225 81 105 223 01 0.30 0.35 1 0.40 1 SUP 420 11 4 1 3 1 1 4 15 8 13 HIMS 1566.2 1433.2 727.6 1133.1 1121.3 1056.7 1108.1 1246.0 1423.9 762.9 296.5

## TABLE XXX. $n_{\mathbf{x}}$ PEAKS FOR CYCLIC DEFLECTION VERSUS $n_{\mathbf{x}}$ BY MISSION SEGMENT, SAMPLE I

NX	PEAKS	FOR CYC	LIC DFL	ECTN VS	NX BY	MISS.	SEG. ASC	ENT		
-0.25	LESS	-40	-30	-20	-10	10	. 2C	30	40	SUM
-0.20 -0.15			1 4	5						1 9
-0.10 0.10 0.15			1	14 10	32 73					47
0.20			î	1	24	1				84 30 6
0.30 Sup			8	34	134	1				177
NX	PEAKS	FOR CYC	LIC DFL	ECTN VS	NX BY	MISS.	SEG. MAN	UVR		
-0.25	LESS	-40	-30	-20	-10	10	20	30	40	SUM
-0.20 -0.15			1	1						1 2
-0.10 Sum			1	2						3
NX	PEAKS	FUR CYC	LIC DFL	ECTN VS	NX BY	MISS.	SEG. DES	CNT		
	LeSS	-40	-30	-20	-10	10	20	30	40	SUM
-0.30 -0.25				1						1
-0.20 -0.15 -0.10			1	17	1					5 21
0.10			1	10 18	27 64	1				38 83
0.20				9	22	•				31
0.25 0.30			_		1	_	,			1
SUM	D. A		2	59	113	1				180
NX		FUR CYC		ECTN VS	AX PA		SEG. STE	ADY		
-0.25	LĖSS	-40	-30	-20	-10	10	5 C	30	40	SUM
-0.20 -0.15					4					6
-0.1C					12					12
0.10					3 -					38
0.15 0.20				1	57					58
0.25					20					20
0.30					•					1
0.35					1					1
0.40					3					1
SUM				1	136					137

TABLE XXX - Concluded

	NX	PEAKS	FOR CYC	LIC DFL	ECTN VS	NX BY	MISS.	SEG.	SUM		
		LESS	-40	-30	-20	-10	10	20	30	40	SUM
-0.3	-										
-0.2	5				1						1
-0.2	0			1	5	7					13
-0.1	5			6	23	15					44
-0.1	0										
0.1				2	24	97					123
0.1				1	29	194	1				225
0.2				ĭ	13	66	ī				61
0.2				_	1	7					8
0.3					•						
0.3						1					1
0.4						i					i
SU	-			11	96	388	2				497

## TABLE XXXI. $n_{\boldsymbol{y}}$ PEAKS FOR AIRSPEED VERSUS $n_{\boldsymbol{y}}$ BY WEIGHT, SAMPLE I

	NY	PEAKS F	GR A1	RSPEEU	VS NY	94 W	EISH'	21000								
	LESS		011	65	7 :	75	80	85	91	95	100	105	110	115	129	5 14
-7.25									:							1
-0.15		1							ı				1			3
0.10	2			1				2		1	4	1	3			14
MINS	44.4		11.3	10.3	11.4	24.5	32	57.4	72.8	34.2	21.0	10.6	3.9	0.4	0.	362.3
	NY	PEAKS F	OR AIR	SPEED	VS NY	BY WE	IGHT 2	3000								
-0.25	LESS	40	60	65	70	75	●0	95	90	95	100	105	110	115	120	SUM
-0.20 -0.15		1	2		3	3	•	2	2							24
7.10	3	1			•	1		3	3	3						16
0.15 SUM	!	5	2	-	5	4	5	5	5	3						41
MINS	294.5	148.6	64.8	86.1	122.5	168.0	275.3	330.5	416.2	224.3	77.7	9.2	3.2	0.2	0. 2	231.3
	NY	PEAKS F	OR AIR	SPEED	VS NY	8Y WE	IGHT 2	5000								
	LESS	40	60	65	70	75	80	95	90	95	100	105	110	115	120	SUM
-0.25 -0.20 -0.15	2 5	1 7	3	1	4	4	2	3	ì	1	1	1				3 33
-0.10	9		•	•	•	2	-			2	Ĭ	-				20
0.15	1	-														1
0.25 SUM	17	4	3	1		6	2	3	5	3	1	1				57
MINS	448.4	220.0	135.7	103.2	48.5	219.4	374.8	546.4	£15.7	264.4	114.4	25.2	16.4	2 - 1	0. 32	230.0
	NY	PEAKS F	OR AIR	SPEED	VS NY	RY WE	IGH* 2	7000								
	LESS	40	63	65	70	75	80	85	₹0	95	100	105	110	115	120	5 14
-0.20 -0.15	1	2		1	1	1	3	1	5	1	1					15
-0.1C 0.10 0.15		1						1								2
3.2C	1	3		1		. 1	_ 3	3	3	1	1					19
MENS	150.7	115.1	6.10	64.2	74.3	173.0	177.5	237.3	254.5	239.4	79.3	25.4	28.6	1.4	J. 1	593.2
	NY	PENKS FO	UR ATR	SPEED	VS NY	HY WE	IGHT 2	1000								
	LESS	40	6.0	65	7	75	80	85	10	15	100	1.11	110	115	170	S JM
-0.20 -0.15				1			1			ĺ	• •	-	•••	• •	•••	2
-0.10				ı			1									2
MINS	30.2	44.5	7.	11.3	1 .	17.1	44.(	32.1	32.4	7. A	د و ه	1.4	Λ.	٥.	) <b>.</b> .	32.3

	W	PEAKS F	OR AIR	SPEED	VS NY	87 WE	GHT 33	000								
	LESS	40	60	65	70	75	80	85	90	95	100	105	110	1:5	123	SUM
-0.20	1															1
0.10																1
0.15 SUM	,															2
m1.42	40.5	ه.7 د	14.7	19.4	11.7	18.9	2.6	0.3	0.	).	0.	0.	0	0.	0.	154.3
	NY	PEAKS F	OR 41R	SPEED	VS NY	-	IGHT 39	000								
	LESS	40	60	•5	70	75	•0	85	90	95	100	105	110	115	120	SUM
0.10																1
0.15 SUP			44.5	37.3	47.0	32.5	14.0	0.7	0.	0.	0.	0.	0.	0.	0.	244.1
MINS	21.2	47.3	•2.7	37.3	•/•0	32.3	1	0.,	••	٠.	٠.	••	••	•		
	MA		OR AIR	SPEED	VS NY			000		1						
-0.20	LESS	40	•0	65	70	75	•c	95	90	95	100	105	110	115	120	SU4
-0.15						1										1
0.10 0.15 SUP	,															. 3
MINS	44.8	53.4	50.4	67.1	74.0	71.2	24.2	7.5	0.7	0.6	0.	0.	0.	0.	0.	396.0
	NY	PEAKS F	-	SPEED	VS NY	87 WE	1SHT 31	7000								
	LESS	40	60	65	72	75	ec	85	70	15	100	105	110	115	120	SUM
-0.20	,		1	1			1									6
-0.10	,			1												•
0.15	3															3
41 A2	54.3	17.2	11	155.3	109.9	73.7	28.5	6.8	6.0	6.1	5.4	1.6	0.	0.	э.	563.0
	NY	PEAKS F	OR 41R	SPEED	VS NY	94 ME	IGHT 36	3000								
-2.20	LESS	<b>40</b>	60	65	70	75	ec	. 65	90	95	100	105	110	115	120	SUM
-0.15		٠	1	1		1										7
0.10	•	1														7
SUP						117.6										14

## TABLE XXXI - Concluded

	ĄY	PENKS F	OR AIR	SPEED	VS NY	BY WE	IGHT 39	000								
	LESS	40	60	65	70	75	●C	85	90	95	100	105	110	115	120	SUM
-0.20	1	6	1													
0.10	8	2		1							•					11
0.15 SUM MINS	14.1	171.0	123.7	173.7	146.1	93,9	37.0	6.4	3.2	7.4		ŋ <b>.</b>	٥.	0.	n.	19
	NY	PEAKS F	OR AIM	SPEED	A2 44	BY WE	ISHT 40	000								
	LESS	40	60	65	7 1	75	80	45	90	95	100	105	110	115	150	\$114
-0.25 -0.20	1															1
-0.15 -0.10	6	2		1	•											11
0.10	2	1		1		:										5
SUP	139.7	292.4	173.0	208.7	205.	109.8	58	7.7	3.3	1.0	0.5	0.	0.	0.	0.	1194.3

## TABLE XXXII. $n_{\mathbf{y}}$ PEAKS FOR AIRSPEED VERSUS $n_{\mathbf{y}}$ BY ALTITUDE, SAMPLE I

	ty Pi	AKS FUH	ALRSP	en vs	MA H	ALTE	TUD	LESS								
-2.20	LeSs	40	69	65	7 1	75	80	85	11	75	100	105	110	115	120	2:14
-0.15																1
0.10	2					1 ,										2
41.45	3 44.4	13.3	٠.١	2.2	3.1	1.7	0.6	1.3	0.2	0.	0.	0.	0.	0.	0.	101.4
	NY P	EAKS FCR	ALRSP	FED VS	44 B	ALTI	TUDe	1000								
-0.25	LeSS	40	60	6,5	71	75	80	8.5	₹0	95	100	105	110	115	129	SIJM
-0.20	2	3	1		•	1	1	1	i							2 17
-0.10 0.10	14	2					•	_								16
0.15	1															1
25.0 402 271m	23	191.4	54.1	48.6	34.4	28.0	10.1	1	7.6				Ų.			36
	533.5	171.7	7711	40.0	,,,,	20.0	14.1	7.0	7.0	2.6	1.8	0.1	٥.	0.	٥.	1033.6
	WY P	AKS FOR	AIHSP	FED VS	NY BY	ALTI	TUD:	2000								
-0.25	LESS	40	60	65	7)	75	80	85	30	45	100	105	110	115	120	SUM
-0.20	14	24	,	5	•	ŧ	11	•	ì	1	2		1			4 35
0.10	22	4		4		•		4	0	4			1			52
0.15 0.20 SUP	40	28	,	y	1	12	11	1	1.7	5	2		2			4 4 5
MINS		1101.5	775.4	869.3	A 48	796.6	715.4	748.6	7 )5.4	523. 1	207.8	45.1	7.2	0.9	٥.	8494.6
		ARS FOR	ALRSP		47 11			5331				1.3			• • •	e
-0.20	11.55	43	50	e 5 i	<i>!</i> :	7*	4.C	5	)a	15	100	107	113	115	1.7	S U M
-0.15 -0.10				•		1		?	2 1		4	1	2			14
7.12				ı		i		3	,	3	4	;	2			22
41.15	J.5	69.5	41.0	213.)	. 35.4	246.4	37 1	437.5	· . ) . 7	236.2	83.)	. 0.1	45.0	3.2	η.	2571.5
	NA PE	ARS FCH	ALUSPE	ti. VS	14 44	ALTT'	' in-	(+) <b>-</b>								
-3.25	LESS	40	٤ ١	5.5	7	"	AC	45	* 1	,	; 10	1 75	113	115	123	5.JM
-0.15	2 L	: ;	1	4	1	11	; ,	6	7	,	1	1	1			1:1
-0.10 0.10	34	7		•	**	4		۸ 1	7	5	4	ī	3			44
0.15	1															i
4U2	1 >5 2	34 1433.2	127.0	133.1 1	121. 1	14 018,7 :	10-11	1246.0	1421.1	762. 1	145.5	73.2	52.2	4.1	0.1	236 2403.0

TABLE XXXIII.  $n_y$  PEAKS FOR CYCLIC DEFLECTION VERSUS  $n_y$  BY MISSION SEGMENT, SAMPLE I

NY	PEAKS	FOR CYC	LIC DFL	ECTN VS	NY RY	MISS.	SEG. AS	CENT		
0.25	LESS	-40	-30	-20	-10	10	20	30	40	SUM
-0.25 -0.20 -0.15			8	3 24	13					3 45
-0.10 0.10 0.15			6	12	11					29 1
0.20 Sum			14	40	24					78
NY	PLAKS	FUR CYCI	IC DFL	ECTN VS	NY BY	MISS.	SEG. MA	NUVR		
-0.20	LE\$\$	-40	-30	-20	-10	10	20	30	40	SUM
-0.15				1	ר					3
SUM				1	2					3
NY	PEAKS	FOR CYC	IC DFL	ECTN VS	NY PY	MISS.	SEG. DE	SCNT		
0.25	LĖSS	-40	-30	-20	-10	10	20	30	40	SUM
-0.25 -0.20			•	24	1					1
-0.15 -0.10			3	24	21					48
0.10			3	9	17					29
402			6	33	39					78
NY		FJR CYCI	.IC DFL	ECTN VS	NY RY	MISS.	SEG. ST	EADY		
-0.25	LcSS	-40	-30	-20	-10	10	20	30	40	SUM
-0.20 -0.15					2 15					2 15
-0.10 0.10					<b>2</b> 6					26
0.15 0.26					3					3
0.25 SUP					47					47
NY	PEAKS	FOR CYCL	IC DFL	ECTN VS	NY RY	MISS.	SEG.	SU4		
	LESS		-30	-20	-10	10	20	30	40	SUM
-0.25 -0.20			,,,	3	3	••		30	70	6
-0.15 -0.10			11	49	51					111
0.10			9	21	54					84
0.20					1					1
0.25 SUP			20	74	112					206

## TABLE XXXIV. $n_{\mathbf{x}}$ PEAKS FOR $n_{\mathbf{x}}$ VERSUS $n_{\mathbf{z}}$ , SAMPLE I

			NX	PEAKS	FOR N	IX VS	NZ									
1.3	LESS	-0.40	-0.35	-0.30	-0.25	-0.20	-0.15	-0.10	0.10	0.15	0.20	0.25	0.30	0.35	0.40	SUM
1.2 0.8 0.7					1	11	43		121	225	61	1 7		1	1	490
Sum					1	13	44		123	225	81			1	1	497

## TABLE XXXV. $n_{\mathbf{x}}$ PEAKS FOR $n_{\mathbf{y}}$ VERSUS $n_{\mathbf{x}}$ , SAMPLE I

			NX	PEAKS	FOR N	IV VS	NX									
	LESS	-0.40	-0.35	-0.30	-0.25	-0.20	-0.15	-0.10	0.10	0.15	0.20	0.25	0.30	0.35	0.40	SUM
-0.10																
-0.25								13								13
-0.20								44								44
-0.15								77								
-0.10								123								123
0.10								225								235
0.15								81								61
0.20								-								
0.25								•								
0.30								1								1
0.35								i				•				i
7.40								497								497
SUP								471								771

## TABLE XXXVI. $n_y$ PEAKS FOR $n_x$ VERSUS $n_y$ , SAMPLE I

			AA	PFAK 5	FOI N	IX A?	44									
	Less	-0.40	-3.35	-3.37	-0.25	-7.20	-0.15	-0.10	).13	0.15	0.20	0.25	3.40	0.35	0.49	SIJM
-3.25 -0.20 -0.15							ı	86	17	5	2				ı	111
-0.10 0.10 0.15						1	3	40 1 1	29	9	2					84 4 1
0.20 0.25 SUP						1	4	.135	50	14	4				1	206

## TABLE X.XXVII. $n_y$ PEAKS FOR $n_y$ VERSUS $n_z$ , SAMPLE I

			**	PLAKS	FUR	NA AZ	42									
	LESS	-0.40	-0.35	-0.30	-0.25	-3.20	-0.15	-0.10	0.13	0.15	0.20	0.25	0.30	0.35	0.43	SUM
2.0 1.8							,									,
1.7							•									•
1.6											•					
1.5							2									2
1.3						1	3									4
1.2						2	104		83	4						195
3.7						,	104		9.5	•	•					143
SUP						é	111		84	4	1					206

## TABLE XXXVIII. $n_z$ PEAKS FOR $r_x$ VERSUS $n_z$ , SAMPLE I

		NZ	MANEUVE	R PEAKS	FOR	AX A2	¥Z									
	LESS	-0.40	-0.35	-0.30	-0.25	-0.20	-0.15	-0.10	0.10	0.15	0.20	0.25	0.30	3.35	0.40	SUM
1.9								1								1
1.7										1						1
1.5								2	1	1 3	'					10
1.3					,	٤	2	15 207	13	16 56	19	1	1		1	47 373
0.8						3	4			2						148
0.6						•	•		1	,						5
0.4								*		•					-	***
SUP						4	15	366	97	90	20					591

## TABLE XXXIX. $n_z$ PEAKS FOR $n_y$ VERSUS $n_z$ , SAMPLE I

		NZ	MANEUVE	R PEAKS	FOR	WY VS	42									
	LESS	-0.40	-0.35	-0.30	-0.25	-9.20	-0.15	-0.10	0.10	0.15	0.20	0.25	0.30	0.35	0.40	SUM
1.8							1									1
1.7								1								1
1.5							2	8								10
1.3						2	i	36B	ì	1						373
0.7								147			11					148
0.5								2								2
SUP						2	7	579		1	1					591

TABLE XL. TIME FOR ALTITUDE VERSUS AIRSPEED BY WEIGHT AND MISSION SEGMENT, SAMPLE II

MINUTES FOR ALTITUCE VS AIRSPEED BY WEIGHT 21000, BY MISSIUN SEG. ASCENT

	LESS	1000	2000	5000	10000	15000	SUM
LESS	0.6	1.4	6.4		••••		8.4
40		0.5	4.9	1.6			7.0
60		0.4	1.1	0.6			2.0
65			1.6	0.3			1.9
70			C. 7	0.1			0.A
75			3.2	0.8			3.9
80		0.2	4.2	0.1			4.5
85			4.8				4.8
90			3.2	0.4			3.6
95			0.3	1.4			1.7
100			0.1	0.3			0.4
105							
110							
115							
120							
SUM	0.6	2.4	30.4	5.7			39.1

MINUTES FOR ALTITUDE VS AIRSPEED BY WEIGHT 21000, BY MISSION SEG. DESCRIT

	LESS	1000	2000	5000	10000	15000	SUM
LESS	0-7	11.5	17.1				29.3
40	0.4	4.5	14.2				19.1
60		1.7	3.5				5.2
65		1.6	4.8				6.4
70		1.6	7.3				9.0
75		0.8	10.5	0.4			11.7
80		1.4	15-6	2.1			19.1
85		0.4	14.5	3.3			18.1
90		0.4	13.6	3.2			17.3
95			12-7	2.1			14.8
100			11.9	0.6			12.6
105			1.6	0.2			1.8
110							
115							
120							
SUM	1.1	23.9	127.4	11.9			164.3

MINUTES FOR ALTITUDE VS AIRSPEED BY WEIGHT 21000, BY MISSION SEG. STEADY

	LESS	1000	2000	5000	10000	15000	SUM
LESS		1.4	11.8				13.3
40							
60			0.1				0.1
65			1.3				1.3
							_
70			4.5				4.5
75			1.1	0.6			1.7
80			1.7	0.2			1.9
85			11.4				11.4
63							
90			11.2				11.2
95			9.9	0.2			10.1
100			1.8				1.8
_			-				
105							
110							
115							
120							
-			4				
SUM		1.4	54.9	1.0			57.3

TABLE XL - Continued

	MINUTES	FOR ALT	TTUDE V	S AIRSP	EED BY	WEIGHT	21000,	BY	MISSION	SEG.	SUM
	LESS	1000	2000	5000	10000	15000	SUM				
LESS			35.3				50.9				
40		5.0	19.1	1.6			26-1				
60	)	2.1	4.6	0.6			7.3				
65	•	1.6	7.7	0.3			9.6				
70	)	1.6	12.6	0.1			14.3				
75	<b>i</b>	0.8	14.8	1.7			17.3				
80	)	1.6	21.5	2.4			25.6				
85	<b>j</b>	0.4	30.B	3.3			34.4				
90	)	0.4	28.0	3.6			32.0				
95	i		22.8	3.7			26.6				
100	1		13.8	1.0			14.8				
105			1.6	0.2			1.8				
110											
115											
120											
SUM	1.7	27-8	212.7	18.6			260.7				
	MINUTES	FOR ALT	ITUDE V	S AIRSP	EED BY	WEIGHT	23000,	BY	MISSION	SEG.	ASCENT
	LESS	1000	2000	5000	10000	15000	SUM				
LESS		_	42.5	0.2		•	65.4				
40			69.2	3.5			80.6				
60			25.3	3.2			30.6				
65		2.0	35.0	5.3			42.2				
70		3.4	31.2	8.3			42.9				
75		1.7	49.0	14.2			64.9				
80		0.8	54.4	14.2 17.5			72.6				
85		0.3	58-2	18.1			76.6				
90	)	0.9	41.2	9.1			51.3				
95	5	0.3	16.4	7-6			24.3				
100	)		3.7	1.2			4.9				
105			0.2	1.6			1.9				
13.6	•										
115											
120											
SUM	3.8	38.4	426.3	89.7			558.2				
	MINUTES	FOR ALT	ITUDE V	S AIRSP	EED BY	WEIGHT	23000,	вч	MISSION	SEG.	DESCNT
	LESS	1000	2000	5000	10000	15000	SUM				
LESS	6.2		83.8				138.2				
40	3.2	27.2	57.9	1.1			89.4				
60		7.8	31.2	0.8			40.0				
65	0.4	6.4	35.4	1.0			43.1				
70	0.1	6.0	52-4	2.3			60.6				
75		7.9	60.0	7.4			75.7				
80	0.3	6.4	93.3	22.4			122.5				
85			121-1	30.6			157.2				
90		3.3	132.1	32.6			168-1				
95		2.2	88-1	23.5			113.7				
100		0.4	36.7	9.2			46.3				
105			10.5	1.4			11.8				
110			0.3				0.3				
115											
120			1								
SUM	10.7	121.3	802.7	132.3			1066.9				

TABLE XL - Continued

#### MINUTES FOR ALTITUDE VS AIRSPEED BY WEIGHT 23000, BY MISSION SEG. STEADY

	LESS	1000	2000	5000	10000	15000	SUM
LESS	5.3	33.1	85.2				123.6
40			2.2				2.2
60		•	7.7				7.7
65		0.1	10.7	0.9			11.7
70		1.0	13.2	2.8			17.0
75		1.2	32.9	32.0			66-1
80		4.1	83.3	55.7			143.1
85		0.2	125.5	72.8			198.6
90		2.0	117.2	89.6			208.9
95		1.6	90.9	32.1			124.5
100			18.8	10.0			28.8
105			0.4	2.3			2.7
110				2.4			2.4
115							
120							
SUM	5.3	43.3	588.1	300.7			937.4

### MINUTES FOR ALTITUDE VS AIRSPEED BY WEIGHT 23000, BY MISSION SEG. SUM

	LESS	1000	2000	5000	10000	15000	SUM
LESS	13.8	101.7	211.5	0.2			327-2
40	4.2	34.2	129.3	4.6			172.2
60	0.8	9.3	64-1	4.0			78.3
65	0-4	8.5	81.0	7.2			97.1
70	0.1	10.4	96.7	13.3			120.5
75	0.4	10.8	141.9	53.6			206.7
80	0.3	11.3	231.0	95.7			338.3
85		6.1	304.8	121.5			432.4
90		6.3	290-6	131.4			428.2
95		4.1	195.3	63.1			262.6
100		0.4	59.2	20.4			80.0
105		• • • • • • • • • • • • • • • • • • • •	11.1	5.3			16.4
110			0.3	2.4			2.7
115			000				
120							
SUM	19.8	203.0	1817-1	522.7			2562.5

### MINUTES FOR ALTITUDE VS AIRSPEED BY WEIGHT 25000, BY MISSION SEG. ASCENT

	LESS	1000	2000	5000	10000	15000	SUM
LESS	4.3	30.6	64.6	4.4			103.8
40	0-4	10.5	87.1	8.5			106.5
60		3.4	45.7	3.7			52.8
65		3.6	59.3	7.3			70.2
70	0 2	2.3	-				
	0.2	2.3	60-3	11.2			73.9
75	0.8	1.8	90.5	20.7			113.8
80	0.6	1.5	76.3	24.9			103.2
85	0.1	2.2	66.6	29.0			97.9
90		0.4	50.4	23.7			74.4
95		0.4	29.9	11.4			41.7
100			7.0	1.8			8.8
105			0.3	0.1			0.4
110							
115							
120							
SUM	6.3	56.8	637.8	146.6			847.4

TABLE XL - Continued

MINUTES FOR ALTITUDE VS AIRSPEED BY WEIGHT 25000, BY MISSION SEG. MANUVR

	LESS	1000	2000	5000	10000	15000	SUM				
LESS											
40											
60											
65											
70											
75			0.3				0.3				
80			3.2				3.2				
85			6.0				6.0				
90			2.7				2.7				
95			0.0				0.0				
100			-								
105											
110											
115											
120											
SUM			12.3				12.3				
30H			12.3								
11	MINUTES	FOR ALT	TITUDE V	S AIRSP	EED BY	WEIGHT	25000,	BY	MISSION	SEG.	DESCNT
	LESS	1000	2000	5000	10000	15000	SUM				
LESS	4.6	50.8	87.0	4.3			146.7				
40	1.0	24.4	58.0	0.4			83.8				
60		7.1	23.7	1.4			32.3				
65		6.0	29.5	3.0			38.6				
70		4.9	42.6	8.5			56.0				
75	0.8	6.1	86.3	11.1			104.3				
80	0.5	3.8	117.2	24.3			145.8				
85	0.1	2.6	124.3	37.0			163.9				
90	•••	2.0	101-1	40.7			143.7				
95		1.5	78.2	27.9			107.5				
100		,	41.4	10.9			52.3				
105			7.5	1.9			9.4				
110			0.3	••,			0.3				
115			0.3				0.3				
120											
SUM	7.0	109.2	797.2	171.3			1084.8				

MINUTES FOR ALTITUDE VS AIRSPEED BY WEIGHT 25000, BY MISSION SEG. STEADY

	LESS	1000	2000	5000	10000	15000	SUM
LESS	15.0	71.2	131.6	2.4			220.2
40		0.6	8.1	1.6			10.3
60		1.5	7.7	0.4			9.5
65		1.7	11.7	7.4			20.8
70		2.6	43.2	13.7			59.5
75		1.1	90.4	35.8			127.3
80		0.3	143.9	101.2			245.4
85		0.7	200.6	75.2			276.6
90			206.8	106.4			313.2
95			91.0	83.1			174.1
100			32.5	12.7			45.2
105			5.4				5.4
110							
115							
120							
SUM	15.0	79.6	972.9	440.0			1507.5

TABLE XL - Continued

M	INUTES	FOR ALT	ITUDE V	S AIRSP	EED BY	WE I GHT	25000,	вч	MISSION	SEG.	SUM
	LESS	1000	2000	5000	10000	15000	SUM				
.ESS	23.9	152.6	283.2	11.0	20000	.,,,,,	470.7				
40	1.4	35.5	153.2	10.5			200.6				
60		12.0	77.1	5.5			94.6				
65		11.3	100.5	17.7			129.5				
70	0.2	9.8	146.1	33.3			189.5				
75	1.6	9.0	267.5	67.6			345.7				
80	1.1	5.6	340.7	150-4 141-1			497.7				
85 90	0.2	5.5 2.3	397.5 361.0	170.8			544.3				
95		1.9		122.4			323.4				
100		•••	80.9	25.5			106.4				
105			13.2	2.0			15.3				
110			0.3				0.3				
115											
120			2420 2	767 0			2452 0				
SUM	25.3	297.0	2420.3	151.4			3452.0				
P	INUTES	FOR AL	TITUDE	VS AIRSE	EED BY	WEIGHT	27000,	BY	MISSION	SEG.	ASCENT
	LESS	1000	2000	5000	10000	15000					
LESS	3.4	16.3					50.9				
40	0.4	7.6	32.8	2.9			43.7				
60 65		2.5 3.6	24.3 29.5	2.1			29.0 35.4				
70		1.8	31.0	1.6			34.3				
75		0.4		4.0			37.7				
80		0.3		1.7			39.5				
85		0.7		5.5			36.4				
90			26.1	6.2			32.3 17.0				
95 100			15.4	1.6			4.9				
105			0.1				0.1				
110			•••								
115											
120											
SUM	3.8	33.0	296.3	27.9			361.0				
	MINUTES	FOR AL	TITUDE	VS AIRSI	PEED BY	WEIGHT	27000,	BY	MISSION	SEG.	MANUVR
LESS	LESS	1000	2000	5000	10000	15000	SUM				
40			0.8				0.8				
60			0.3				0.3				
65			0.6				0.6				
70			0.9				0.9				
75 80			0.9 1.0				1.0				
85			2.4				2.4				
90			2.2				2.2				
95			0.8				0.8				
100											
105											
110											
120											
SUM			9.8				9.8				

TABLE XL - Continued

MINUTES FOR ALTITUDE VS AIRSPEED BY WEIGHT 27000, BY MIS	SION	SEG. DESC	.NT
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	LESS	1000	2000	5000	10000	15000	SUM
LESS	1.8	10.9	19.0				31.8
40	0.4	5.6	12-0				18.0
60	0.1	0.9	4.1				5.1
65	0.1	2.2	6.5	0.7			9.5
70	0.1	2.1	9.4	0.1			11.7
75		3.3	13.6	0.6			17.4
80	0.1	1.8	25.9	1.3			29.1
85	0.6	1.0	36.1	4.2			42.0
90	0.3	0.2	41.7	8.4			50.6
95	0.1	0.1	36.9	5.3			42.4
100	0.1	0.5	12.2	1.3			14.1
105		0.5	1.6	0.3			2.3
110		0.3	0.2				0.5
115		0.2	•••				0.2
120		300					
SUM	3.8	29.5	219.3	22.3			274.8

### MINUTES FOR ALTITUDE VS AIRSPEED BY WEIGHT 27000, BY MISSION SEG. STEADY

	LESS	1000	2000	5000	10000	15000	SUM
LESS	1.0	15.1	28.0				44.1
40				0.7			0.7
60			1.5	3.4			4.8
65			12.5	4.1			16.6
70		0.2	4.8	2.0			6.9
75		1.1	20.8	2.6			24.6
80		0.1	55.8	14.7			70.7
85		0.3	81.9	33.5			115.7
90			104.9	46.5			151.4
95			66.4	33.2			99.6
100		0.4	24.5	18.7			43.6
105		0.7	0.3				1.1
110		001	0.5				•••
115							
120							
SUM	1.0	18.0	401.4	159.4			579.8
2 U I	1.0	19.0	TU1.7	17704			71700

### MINUTES FOR ALTITUDE VS AIRSPEED BY WEIGHT 27000, BY MISSIUN SEG. SUM

	LESS	1000	2000	5000	10000	15000	SUM
LESS	. 6.2	42.4	78.2				126.8
40	0.8	13.2	45.6	3.6			63.2
60	0.1	3.4	30.2	5.5			39.3
65	0.1	5.7	49.1	7.1			62.0
70	0.1	4.0	46.0	3.7			53.8
75		4.8	68.5	7.3			80.6
80	0.1	2.2	120.2	17.7			140.2
85	0.6	2.0	150.7	43.1			196.5
90	0.3	0.2	174.9	61.1			236.5
95	0.1	0.1	119.5	40.1			159.8
100	0.1	0.9	41.6	20.1			62.6
105		1.2	2.0	0.3			3.4
110		0.3	0.2	•••			0.5
115		0.2					0.2
120		3.2					0.5
CIIM	. 6	80.5	924.7	209.6			1225 4

TABLE XL - Continued

MINUTES FOR ALTITUDE VS AIRSPEED BY WEIGHT 29000, BY MISSION SEG. ASCENT

	LESS	1000	2000	5000	10000	15000	SUM		
LESS		2.4	1-6				4-2		
40		0.7	2-1	0.8			3.6		
60		0.3	3.8	0.6			4.7		
65		0.3	3.4	0.2			3.9		
		0.5	4.6	1.0			6.0		
70			3.4	1.0			4.6		
75		0.3							
80		0.2	4.7	1.0			5.9		
85		0-4	6.5	1.1			8.0		
90			7.8	1.6			9.4		
95			4.2	2.0			6.1		
100			1.8				1.8		
105									
110									
115									
120							1212 12		
SUM		5.0	44.1	9.2			58.4	•	

MINUTES FOR ALTITUDE VS AIRSPEED BY WEIGHT 29000, BY MISSION SEG. DESCRIT

	LESS	1000	2000	5000	10000	15000	SUM
LESS	0.4	4.0	6.7				11.1
40	0.1	0.8	0.7				1.6
60		0.3	0.4				0.8
65		0.1	0.9	0.3		•	1.2
70			1.0				1.0
75		0.1	2.5	0.3			2.9
80			3.1	0.6			3.7
85		0.1	6.8	0.7			7.5
90		0.1	8.4	2.2			10.6
95			2-2	1.9			4.0
100			0.7	2.8			3.5
105			0.5				0.5
110							
115							
120							
SUM	0.4	5.4	33.9	8.7			48.4

MINUTES FOR ALTITUDE VS AIRSPEED BY WEIGHT 29000, BY MISSION SEG. STEADY

	LESS	1000	2000	5000	10000	15000	SUM
LESS	1.7	10.7	12.2				24.6
40							
60							
65							
70							
75							
80			0.1	0.3			0.3
85			2.2	1.4			3.6
90			19.1	15.2			34.3
95			8.9	3.4			12.3
100			5.7	•••			5.7
105							,,,,
110							
115							
120							
SUM	1.7	10.7	48.2	20.2			80.9

TABLE XL - Continued

MINUTES FOR ALTITUDE VS AIRSPEED BY WEIGHT 29000, BY MISSION SEC.

	MINUTES	FUR MEI	11005 43	HINDE	CCU 01	MEIGHI	27000	UT	413310M	3662	305
	LESS	1000	2000	5000	10000	15000	SUM				
LESS	2.1	17.1	20.7	2000	10000	13000	40.0				
40	0.1	1.5	2.9	Λ 0			5.2				
	0.1			0.8							
60		0.6	4.2	0.6			5.5				
65		0.3	4.3	0.5			5.1				
70		0.5	5.6	1.0			7.0				
75		0.3	5.9	1.3			7.5				
80		0.2	7.9	1.8			9.9				
85		0.5	15.5	3.1			19.1				
90		0.1	35.3	19.0			54.4				
95				7.3			22.5				
100			8.2.	2.8			11.1				
105			0.5				0.5				
110			0.5				0.7				
115											
120											
SUM	2-1	21-1	126.2	38.2			187.6				
	INITES	FOR ALT	TUDE VS	AIRCP	EED RY	WEIGHT	31000.	BY	MISSION	SEG-	ASCENT
•	INDIES		11002 43	~		WC 1 01.11	32000,			000	~666.00
	LESS	1000	2000	5000	10000	15000	SUM				
1 666				7000	10000	17000	4.5				
LESS	0.1	1.0	3.5				11.6				
40			9.9	1.7							
60			2.9	0.6			3.6				
65			0.2	0.3			0.5				
70			0.6	1.3			1.9				
75			0.8	1.5			2.2				
80											
85											
90											
95											
100											
105											
110											
115											
120 SUM	0.1	1-0	17.9	5.3			24.3				
2 NH	0.1	1-0	11.9	2.3			24.3				
	MINUTES	FOR ALT	ITUDE VS	AIRSI	PEED BY	WEIGHT	31000.	BY	MISSION	SEG.	DESCHT
	LESS	1000	2000	5000	10000	15000	SUM				
LESS		5.5	12.5		-		18.1				
40		0.6	9.6	0.4			10.6				
60			5.7	0.4			6.1				
65			1.8	004			1.6				
70			1.4	0.3			1.8				
75			0.4								
				2.7			3.0				
80			1.1	0.5			1.6				
85			0.7	0.2			0.8				
90			0.1				0.1				
95											
100											
105											
110											
115											
120											
SUM		6.1	33.4	4.4			44.0				
	7.0						7780				

TABLE XL - Continued

MINUTES FOR	ALTITUDE VS	AIRSPEED BY	WEIGHT 310	00. BY MISSION	SEG. STEADY
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*******	LESS	1000	2000	5000	10000	15000	SUM	
LESS	1.3	11.1	33.4				45.8	
40			3.3	2.7			6.0	
60			11.0				11.0	
65				0.8			0.8	
70				5.0			5.0	
75				2.9			2.9	
80				2.7			6.7	
85								
90								
95								
100								
105								
110								
115								
120								
SUM	1.3	11.1	47-7	11-4			71-4	

MINUTES FOR ALTITUDE VS AIRSPEED BY WEIGHT 31000, BY MISSION SEG. SUM

	LESS	1000	2000	5000	10000	15000	SUM
LESS	1.4	17.6	49.4		••••		68.4
40		0.6	22.8	4.8			28.2
60		0.0	19.6	1.0			20.6
							_
65			2-1	1.1			3.1
70			2.0	6.6		•	8.6
75			1.1	7.0			8.2
80			1.1	0.5			1.6
85			0.7	0.2			0.8
90			0.1				0.1
_			0.2				0.2
95							
100							
105							
110							
115							
120							
SUM	1.4	18.2	99.0	21.1			139.7

MINUTES FOR ALTITUDE VS AIRSPEED BY WEIGHT 33000, BY MISSION SEG. ASCENT

LESS 40	LESS 0.1	1000	2000 4.5 11.8	5000	10000	15000	SUM 5.3 11.8
60			2.0				2.0
65			2.7				2.7
70			5.6				5.6
75			4.0				4.0
80			0.3				0.3
85							
90							
95							
100							
105							
110							
115							
120							
SUM	0.1	0.6	30.9				31.6

TABLE XL - Continued

MINUTES FOR ALTITUDE VS AIRSPEED BY WEIGHT 33000. BY MISSION SEG. DESCRI	MINUTES F	OR A	ALTITUDE	VS	AIRSPEED	RY	WEIGHT	33000-	RY	MISSIM	SEG.	DESCRI
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	LESS	1000	2000	5000	10000	15000	SUM	
LESS		4.2	9.3				13.4	
40		0.3	22.4				22.7	
60			3.5				3.5	
65			6.4				6.4	
70			14.6				14.6	
75			6.7				6.7	
80			2.7				2.7	
85			1.0				1.0	
90			0.1				0.1	
95								
100								
105								
110								
115								
120								
SUM		4.4	66-6				71.1	

## MINUTES FOR ALTITUDE VS AIRSPEED BY WEIGHT 33000, BY MISSION SEG. STEADY

	LESS	1000	2000	5000	10000	15000	SUM
LESS	1.0	12.9	19.0				32.9
40		•	5.4				5.4
60			2.1				2.1
65			14.4				
							14-4
70			17.4				17.4
75			10.4				10.4
80			4.2				4.2
85			0.3				0.3
90			0.5				0.3
-							
95							
100							
105							
110							
_							
125							
120							
SUM	1.0	12.9	73.1				87.0

### MINUTES FOR ALTITUDE VS AIRSPEED BY WEIGHT 33000, BY MISSION SEG. SUM

	LESS	1000	2000	5000	10000	15000	SUM
LESS	1.1	17.7	32.8				51.5
40		0.3	39.6				39.9
60			7.6				7.6
65			23.4				23.4
70			37.6				37.6
75			21.0				21.0
80			7.3				7.3
85			1.3				1.3
90			0.1				0.1
95							
100							
105							
110							
115							
120							
SUM	1.1	18.0	170.6				189.7

TABLE XL - Continued

MINUTES FOR ALTITUDE VS AIRSPEED BY WEIGHT 35000	. BY	MISSION	SEG.	ASCENT
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LESS 40 60 65 70 75 80 85	LESS	1000 0.8 0.8	2000 12.4 17.3 9.8 9.2 2.9 1.9	5000	10000	15000	SUM 13.1 18.1 9.8 9.2 2.9 1.9	
90 95 100 105 110 115 120 SUM		1.6	0-1				0.1	

### MINUTES FOR ALTITUDE VS AIRSPEED BY WEIGHT 35000, BY MISSION SEG. DESCHT

LESS 40	UESS 0.8 0.1	1000 1.8 0.7	2000 16.5 17.1	5000	10000	15000	SUM 19.0 17.9
60	0.1	0.4	15.9	0.7			17.1
65	0-1	0.5	15.3	0-4			16.3
70		1.8	16.7	0.5			19.1
75		0.3	12.1	0.3			12.7
80		0.8	4.3				5.0
85			2.5				2.5
90			0.2				0.2
95							
100							
105							
110							
115							
120							
SUM	0.9	6.3	100.7	1.9			109.8

### MINUTES FOR ALTITUDE VS AIRSPEED BY WEIGHT 35000, BY MISSIGN SEG. STEADY

LESS	LESS	1000	2000 5.6	5000	10000	15000	SUM 9.7
40			10.3				10.3
60			2.2				2.2
65			30.3	1.6			31.9
70			27.0	0.2			27.2
75			12.0				12.0
80			1.3				1.3
85			0.4				0.4
90							
95							
100							
105							
110							
115							
120					•		
SUM		4.2	89.0	1.8			95.0

TABLE XL - Continued

	MINUTES	FOR ALT	ITUDE VS	AIRSF	PEED BY	WEIGHT	35000,	вч	MISSION	SEG.	SUM
LESS 40 60 60 60 70 75 80 85 90 95 100 105 110	0.1	1000 6.7 1.5 0.4 0.5 1.8 0.3 0.8	2000 34.4 44.7 27.9 54.9 46.6 26.0 6.2 2.9 0.3	0.7 2.0 0.7 0.3	10000	15000	SUM 41.9 46.3 29.1 57.4 49.1 26.6 6.9 2.9				
115 120 SUM	)	12.0	243.9	3.7			260.5				
	MINUTES	FOR ALT	ITUDE VS	AIRSP	EED BY	WEIGHT	36000,	вч	MISSION	SEG.	ASCENT
LESS 40 60 65 70 75 80 85 90 95 100 105 110		1000 1.9 0.9 0.8 0.2	2000 15.9 24.7 12.9 16.7 14.2 8.5 1.4 0.4	5000 0.9 8.1 2.7 0.3 0.9 0.6	10000	15000	SUM 19-7 25-6 14-7 25-0 16-9 8-8 2-3 0-4 2-0				
120 SUM		3.9	96.3	13.9			116.0				
	MINUTES	FOR ALT	ITUDE VS	AIRSP	EED BY	WEIGHT	36000,	вч	MISSION	SEG.	DESCNT
LESS 40 60 60 77 80 82 90 100 105 110 115		1000 5.9 4.9 1.2 0.5 1.2 0.2 0.2	2000 14.2 39.8 26.6 21.8 13.7 8.6 9.5 5.2	5000 3.9 2.8 1.7 4.2 0.9 2.3 3.7 2.7 0.9	10000	15000	SUM 20.1 48.6 30.6 23.8 27.2 14.8 11.0 13.3 7.9 2.6				
120 SUP		14.3	162.6	23.1			200.0				

TABLE XL - Continued

MINUTES FOR ALTITUDE	٧S	AIRSPEED BY	WEIGHT	36000,	84	MISSIUN	SEG.	STEADY	
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	LESS	1000	2000	5000	10000	15000	SUM	
LESS	0.4	5.7	9.4		•		15.5	
40			19.5	2.1			21.6	
60			18.8	0.3			19.1	
65			33.3	4.6			37.9	
70			31.1	8.1			39.2	
75			25.5	5.7			31.2	
80			1.7	8.9			10.6	
85				11.1			11.1	
90				8.5			8.5	
95							3.5	
100								
105								
110								
115								
120								
SUM	0.4	5.7	139.3	49.3			194.7	

MINUTES FOR ALTITUDE VS AIRSPEED BY WEIGHT 36000, BY MISSION SEG. SUM

	LESS	1000	2000	5000	10000	15000	SUM
LESS	2.3	13.5	39.5				55.2
40		5.8	84.0	6.0			95.9
60		2.0	58.3	4.1			64.3
65		0.7	71.6	14.4			86.7
70		1.2	67.1	14.9			83.3
75		0.2	47.7	6.9			54.8
80		0.2	11.7	12.1			23.9
85		0.2	9.8	14.8			24.8
90			6.7	11.8			19.4
95			1.9	1.3			3.2
100							
105							
110							
115							
120							
SIIM	2 2	22 8	208 2	84 3			510.4

MINUTES FOR ALTITUDE VS AIRSPEED BY WEIGHT 37000, BY MISSION SEG. ASCENT

	LESS	1000	2000	5000	10000	15000	SUM
LESS	0.3	8.1	22.4				30.7
40		2.3	42.0	15.6			59.9
60		1.6	37.0	5.3			43.9
65		1.7	41.5	1.3			44.6
70		1.6	21.0	3.0			25.6
75		1.3	16.7	3.2			21.2
80		0.2	10.3	0.2			10.6
85			3.0	0.1			3.1
90			0.1				0.1
95							
100							
105							
110							
115							
120							
SUM	0.3	16.8	194.0	28.7			239.9

TABLE XL - Continued

	MINUTES	FOR ALT	TITUDE VS	AIRS	PEED BY	WEIGHT	37000,	BY	MISSIUN	SéG.	DESCNT
LESS 40 60 65 70 75 80 85 90 95 100 105		1000 15.6 5.4 1.2 0.3 0.1 0.4 0.2	2000 29.6 58.6 33.9 46.2 44.7 19.8 16.8 3.4 2.5	5000 4.5 4.1 0.9 0.4 3.4 1.2	10000	15000	SUM 45.6 68.5 39.2 47.4 45.2 23.6 18.4 3.6 2.5				
120 SUM		23.6	255.6	14.5			294.1				
	MINUTES	FOR ALT	TITUDE VS	AIRS	PEED BY	WEIGHT	37000,	BY	MISSION	SEG.	STEADY
LESS 40 60 65 70 75 80 85 90 10 51 10 51 12 0		1000	2000 11-9 21-6 53-2 88-0 70-8 38-4 4-4 2-0	5000 14-5 3-0 11-2 6-1 2-7 4-6 2-6	10000	15000	SUM 15.0 36.1 53.2 90.9 81.9 44.5 7.1 6.6 2.6				
	MINUTES	FOR ALT	ITUDE VS	AIRSE	PEED BY	WEIGHT	/0,	вч	MISSIUN	SEG.	SUM
LESS 40 60 65 70 75 80 95 100 105 110		1000 26.8 7.6 2.8 2.0 1.7 1.7 0.6	2000 63.9 122.2 124.2 175.7 136.5 74.9 31.4 8.4 2.6	5000 34.6 9.4 5.2 14.6 12.7 4.1 4.7 2.6		15000	SUM 91-3 164-5 136-4 182-9 152-7 89-3 36-2 13-3 5-2				

TABLE XL - Continued

MINUTES	FOR	ALTITUDE	VS	AIRSPEED BY	METCHT	38000-	RY	MISSIA	SFG.	ASCENT
LINGIES	TUR	ALILIUUE		MINDPEED DI	MEIGH	30000	01	MIJJIUM	3600	M 3 C C IV I

LESS 40 60 65 70 75 80 85 90 95	LESS 2.5 0.9	1000 10.6 3.7 2.8 1.3 1.3	2000 41.2 81.0 56.8 44.2 30.0 12.3 3.6	3.9 10.3 4.6 4.6 3.6 0.1	15000	SUM 54-2 89-6 70-0 50-1 35-8 17-4 3-7 0-3	·		
105 110 115 120 SUM	3.4	21.3	269.3	27-1		321-1		ŭ)	

### MINUTES FOR ALTITUDE VS AIRSPEED BY WEIGHT 38000, BY MISSION SEG. DESCRIT

	LESS	1000	2000	5000	10000	15000	SUM
LESS	0.9	15.5	27.7	0.1	•		44.2
40		7.4	43.6	2.4			53.5
60		0.8	43.1	3.2			47.1
65		0.5	41.4	2.6			44.5
70		0.2	37.4	5.6			43.2
75		0.1	26.3	10.0			36.4
80		0.1	11.3	1.1			12.5
85			5.9	0.4			6.3
90			1.0				1.0
95							•
100							
105							
110							
115							
120							
SUM	0.9	24.5	237.9	25.4			288.7

### MINUTES FOR ALTITUDE VS AIRSPEED BY WEIGHT 38000, BY MISSION SEG. STEADY

	LESS	1000	2000	5000	10000	15000	SUM
LESS		2.9	8.5				11.4
40			20.5	7.4			27.9
60			25.6	4.8			30.4
65			45.2	13.3			58.6
70			82.1	6.7			88.7
75			43.1	1.6			44.7
80			19.6	0.2			19.8
							_
85			15.8	1.7			17.5
90							
95							
100							
105							
110							
115					•		
120							
SUM		2.9	260.4	35.7			299.1

TABLE XL - Continued

	MINUTES	FOR ALT	TITUDE VS	AIRSP	EED BY	WEIGHT	38000,	84	MISSION	SEG.	SUM
LESS 40 60 65 70 75 80 85 90 95 100 105	0.9		2000 77-4 145-2 125-5 130-8 149-4 81-7 34-6 22-1	5000 0-1 13-8 18-3 20-6 16-9 15-1 1-4 2-1	10000	15000	SUM 109.9 171.0 147.5 153.2 167.7 98.4 36.1 24.1				
120 SUM		48.8	767.6	88.2			908.9				
	MINUTES	FOR ALT	ITUCE VS	AIRSP	EED BY	WE I GHT	39000,	BY	MISSION	SEG.	SCENT
LESS 40 60 65 70 75 80 85 90 95 100 115 120 SUM	0.2	1000 15-1 6-4 1-1 0-7 0-7 0-9 0-2	2000 30.1 51.6 34.5 42.5 29.1 12.8 3.0 1.8	5000 2.4 2.4 1.2 1.0 5.3 1.6	10000	15000	SUM 46.6 60.6 38.4 44.4 30.8 19.0 4.8 1.8				
	MINUTES	FOR ALT	ITUDE VS	AIRSP	EED BY	WEIGHT	39000,	BY	MISSION	SEG.	DESCNT
LESS 40 60 65 70 75 80 95 100 105 110	0.3		2000 18.7 44.4 31.4 35.8 46.5 20.8 6.0 3.8	5000 0.8 0.6 0.8 5.0 2.1 1.6	10000	15000	SUM 27.5 51.2 33.2 35.9 47.3 25.8 8.1				
SUM		15.4	207.4	10.9			234.4				

TABLE XL - Continued

MINUTES FOR ALTITUDE VS AIRSPEED BY WEIGHT 39000, BY MISSION SEG. STEADY

	LESS	1000	2000	5000	10000	15000	SUM	
LESS	0.5	0.4	13.0				13.8	
40			37.6	5.3			43.0	
60			79.2	0.6			79.9	
65			90.7	3.1			93.8	
70			72.5				72.5	
75			39.5	0.6			40.1	
80			27.0	2.6			29.5	
85			15-1	0.3			15.4	
90								
95								
100								
105								
110								
115								
120								
SUM	0.5	0.4	374.6	12.6			388.0	

MINUTES FOR ALTITUDE VS AIRSPEED BY WEIGHT 39000, BY MISSION SEG. SUM

LESS 40 60 65 70 75 80 85 90 95 100 105 110	LESS 2.2 0.5 0.4	1000 23.9 12.2 2.2 0.8 0.7 0.9	2000 61.7 133.6 145.2 169.0 148.1 73.1 36.0 20.7	5000 8.5 3.7 4.4 1.7 10.9 6.2 1.9	10000	15000	SUM 87.9 154.7 151.5 174.1 150.6 84.9 42.4 22.6
115 120 SUM	3.1	40.9	787.4	37.4			868.8

MINUTES FOR ALTITUDE VS AIRSPEED BY WEIGHT 40000, BY MISSIUN SEG. ASCENT

	LESS	1000	2000	5000	10000	15000	SUM
		28.8	55.5				87.0
<b>LESS</b>	2.7	_		2 4			132.6
40	0.3	10.5	119-1	2.6			
60		2.2	74.0	3.2			79.4
65		1.5	60.0	1.8			63.3
70	0.2	0.7	36.0	0.1			37.0
			14.7	1.2			16.6
75	0.4	0.3					4.7
80	0.7	0.1	3.5	0.5			
85	0.1						0.1
90	0.4						0.4
-	0.4						
95							
100							
105							
110							
115							
120							421.2
SUM	4.8	44.1	362.9	9.4			761.6

TABLE XL - Continued

	MINUTES	FOR ALT	TITUCE V	S AIRSP	EED BY	WEIGHT	40000,	ВУ	MISSIUN	SEG.	DESCNT
LESS	LESS 0.5	1000	2000 18.1	5000	10000	15000	SUM 26.6				
40		6.3	41.7	0.6			48.6				
60		1.6	30.6	0.8			33.0				
65		0.8	40.3	0.9			42.1				
70			31.0	2.9			33.9				
75 80			10.5	2.1			12.6				
85			6.6 3.6				6.6 3.6				
90			0.7				0.7				
95							<b></b>				
100											
105											
110 115											
120											
SUM		16.7	183.1	7.3			207.7				
	MINUTES	FOR ALT	TTUDE VS	AIRSP	EED BY	WEIGHT	40000.	BY	MISSION	SEG.	STEADY
	LESS	1000	2000	5000	10000	15000	SUM				
LESS		5.6	25.5	2000		.,,,,,	31.5				
40			59-1	1.1			60-2				
60			63.2	1.2			64.4				
65			83.5	9.3			92.9				
70 75			37.0 37.6	1.4 2.0			38.4 39.6				
80			23.4	2.1			25.6				
85			5.0	1.2			6.3				
90											
95											
100											
105											
115											
120											
SUM	0.4	5.6	334.4	18.4			358.8				
	MINUTES	FOR ALT		AIRSP	EED BY	WE I GHT	40000,	ВУ	MISSION	SEG.	SUM
	LESS	1000	2000	5000	10000	15000	SUM				
LESS		42.4	99.1	4 3		•	145.1 241.4				
40 60		16.9 3.8	220.0 167.8	4.2 5.2			176.8				
65		2.3	183.9	12.1			198.3				
70		0.7	104.0	4.4			109.3				
75		0.3	62.8	5.3			68.8				
80		0.1	33.5	2.6			37.0				
85			8.6	1.2			10.0				
90			0.7				1.0				
95 100											
105											
110											
115											
120	)										
SUM		66.5	880.4	35.1			987.7				

TABLE XL - Concluded

	MINUTES	FOR AL	TITUCE	VS AIRSP	EED BY	WEIGHT	SUM,	84	MISSION	SEG.	SUM
	LESS	1000	2000	5000	10000	15000	SUM				
LESS	62.6	5C5.7	1087-2	11.3			1666-9				
40	8.5	145.4	1162.3	93.1			1409-2				
60	1.4	42.3	856.4	58.6			958.7				
65	0.6	35.7	1053.9	92.5			1182.6				
70		33.8	998.3	111.2			1143.9				
75		30.8	886.9	189.8			1109.9				
80	2.1	22.8	883.1	295.0			1203.0				
85	0.9	14.8	973.6	337.1			1326.4				
90	0.7	9.2	901.2	400.2			1311.3				
95	0.1	6.1	553.9	238.0			798.1				
100		1.3	203.8	69.7			274.9				
105		1.2	28.5	7.8			37.5				
110		0.3	0.8	2.4			3.5				
115		0.2					0.2				
120											
SUM		849.6	9589.8	1906.8		1	2426.0				

TABLE XLI. TIME FOR CYCLIC STEADY VERSUS COLLECTIVE STEADY BY MISSION SEGMENT, SAMPLE II

LESS 10 20 30 40 50 60 70 80 90	SUM
LESS 10	
2C	
3C 4C 1111.6 2065.1 317	6.7
50 143.5 14	3.5
6C 7C	
80	
90 SUP 1255.2 2065.1 332	0.2
MINUTES FOR CYCLIC VS CCLL BY MISSION SEG MANUVR	
LESS 10 20 30 40 50 60 70 80 90	SUM
LESS 10	
20	
3C 4C 2.5 19.6	2.1
50	
6C 7C	
80	
90 SUP 2.5 19.6	2.1

### TABLE XLI - Concluded

MINUTES FOR CYCLIC V	S CCLL	BY MISSION	SEG DESCHT
----------------------	--------	------------	------------

	LESS	10	20	30	4 C	50	60	70	80	90	SUM
LESS											
1 C											
20 30 40											
3 C						1	346.4 2	590.8		3	937.2
5 C							151.6				151.6
6 C											
7 C											
8 C											
9C								500 B			088.8
SUP						1.	498.0 2	270.0		-	000.0

### MINUTES FOR CYCLIC VS CCLL BY MISSION SEG STEADY

LESS	LESS	10	20	30	40	50	60	70	80	90	SUM
1 C 2 G 3 C 4 C											
3 C					8.2				0.2		42.1
4C						696.3			18.8	3.8	1501.6
5 C				27.8	934.3	1207.1	133.6	128.5	6.5	0.1	2437.9
6 C 7 C			0.3	71.7	423.9	389.4	6C.1	14.2	0.1		959.7
7 C				33.3	8.3	5.0	4.1	2.7	C-1		53.4
80											
90											
SUP			0.3	143.0	1809.5	2324.0	423.1	265.3	25.7	3.9	4994.8

### MINUTES FOR CYCLIC VS CCLL BY MISSION SEG SUM

LESS	LESS	10	20	30	4C	50	60	70	80	90	SUM
1 C											
2 C 3 C 4 G					8.2	26.3	5.4	2.0	C. 2		42.1
4 G				10.2	434. E	696.3	2680.6	4793.2	18.8	3.8 8	637.6
5 C				27.8	934.3	1207.1	428.7	128.5	6.5	0.1 2	2733.0
6 C			0.3	71.7	423.9	389.4	60.1	14.2	C.1		959.7
50 60 70				33.3	8. ?	5.0	4.1	2.7	C.1		53.4
80											
90											
SUP			0.3	143.0	1609.5	2324.0	3178.E	4940.6	25.7	3.912	2425.9

Table XIII. Time for  $c_{T}/\sigma$  versus  $\mu$  by rate of climb and mission segment, sample ii

	MINUTES	FOR CT/S	VS MU	BY RA	TE OF	CLIMB	LESS,	BY MISSION	SEG.	DESCNT
LESS	LESS	0.06	0.09	0.12	0.15	0.18	0.21	SUM		
0.0	}	0.1						0.1		
0.10		0.1	11. 2					0.2		
0.15		0.7	0.1 3.1					0.8		
0.20		2.3	0.1					2.3		
0.25		0.4						0.4		
0.30		0.4						0.4		
SUP		3.5	0.2					3.7		
	MINUTES	FOR CT/S	VS MU	BY RA	TE OF	CL IMB	LESS,	BY MISSION	SEG.	SUM
	LESS	0.06	0.09	0.12	0.15	0.18	0.21	SUM		
LESS					••••	****	••••	30		
0.0	;									
0.0	5	0.1						0.1		
C.1	3	0.1	J.1					0.2		
0.15	5	0.7	0.1					0.8		
0.20	;	2.3						2.3		
0.25	5	0.4						0.4		
0.30										
SU	•	3.5	0.2					3.7		
	MINUTES	FOR CT/S	VS MU	BY RA	TE OF	CLIMB	-2100,	BY MISSION	SEG.	DESCNT
LESS	LESS	0.06	0.09	0.12	0.15	0.18	0.21	SUM		
C. (		0.1						0.1		
0.0	5	0.2						0.2		
0.10		1.2	0.4					1.6		
0.1		4.1	3.0					7.3		
0.20		12.3	0.2					12.5		
0.2		0.8						0.8		
0.30										
SUP		18.6	3.6					22.5		
	MINUTES	FOR CT/S	VS MU	BY RA	TE OF	CL IMB	-2100,	BY MISSION	SEG.	SUM
LESS	LESS	0.06	0.09	0.12	0.15	0.18	0.21	SUM		
C. C		0.1						0.1		
0.05		0.2						0.2		
0.10		1.2	3.4					1.6		
C.15		4.1	3.0					7.3		
0.20	0.0	12.3	0.2					12.5		
0.25		0.8						0.8		
0.30										
SUP	0.3	18.6	3.6					22.5		
	MINUTES	FOR CT/S	VS MU	BY RA	TE OF	CL IMB	-1800,	BY MISSION	SEG.	MANUVR
LESS		0.06	0.09	0.12	0.15	0.18	0.21	SUM		
C. 05 C. 10 C. 15										
0.25		0.1						0.1		
C.3C		0.1						0.1		

#### TABLE XLII - Continued BY RATE OF CLIMB -1800, BY MISSION SEG. DESCHT MINUTES FOR CT/S VS MU 0.09 0.18 0.21 0.06 0.12 0.15 LESS LESS 0.C 0.4 0.05 0.2 0.2 4.5 0.1C 0.15 0.2C 2.1 2.4 Ü.9 8.8 24.3 1.2 22.C 1.7 1.7 C.25 0.30 48.2 35.1 14.1 SUP 2.1 MINUTES FOR CT/S VS MU BY RATE OF CLIMB -1800, BY MISSION SEG. SUM LESS 0.06 0.09 SUM 0.12 0.15 0.18 0.21 LESS C.C 0.05 0.2 0.2 0.4 2.4 2.1 4.5 0.10 0.15 0.9 1.2 22.1 0.20 1.2 24.4 1.7 1.7 0.25 C.3C 48.3 SUP 35.2 11.1 4.1 MINUTES FOR CT/S VS PU BY RATE OF CLIMB -1500. BY MISSION SEG. DESCHT 0.06 0.09 SUM LESS 0.2 0.3 2.1 C.C 0.05 0.1C C.15 0.1 0.1 0.6 U.6 4.8 0.1 6.3 11.2 43.0 0.6 0.20 65.6 62.4 1.8 7.0 6.8 0.2 0.3C 2.3 97.4 125.3 SUP 20.5 MINUTES FOR CT/S VS MU BY RATE OF CLIMB -1500, BY MISSICH SEG. 0.09 LESS 0.06 0.12 0.15 SUM LESS 0.2 0.1 0.3 0. C 0.1 C.05 1.2 0.6 J.6 C.1C 0.1 4.8 6.3 43.0 65.6 7.0 0.15 0.6 22.6 19.8 0.20 1.4 62.4 4.8 0.25 0.2 6.8 0.3C 97.4 2.3 28.5 128.3 MINUTES FOR CT/S VS MU BY RATE OF CLIMB -120C. BY MISSION SEG. ASCENT LESS 0.06 0.09 0.12 0.15 0.21 0.18 SUM LESS 0.C C.05 0.1 0.1 0.10 0.1 0.15 C.2C C.25 0.3C

0.2

0.2

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SUP

TABLE XLII - Continued

	MINUTES	FOR CT/S	VS MU	BY RA	TE OF	CLIMB	-1200,	вч	MISSION	SEG.	MANUVR
	LESS	0.06	0.09	0.12	0.15	0.18	0.21		SUM		
LESS											
C.C											
0.05											
0.15		0.1							0.1		
C.26		0.3							0.3		
0.25											
SUP		0.5							0.5		
	MINDITEC	FOR CT/S	UC MIL	0 V 0	ATE OF	C1 THO	-1700		MISSION	ter	DECCNIT
	MINUIE2	FUR CI73	43 PU	DI K	AIE UF	CEIMB	-1200,	DI	4122104	360.	DESCRI
	LcSS	0.06	0.09	0.12	0.15	0.18	0.21		SUM		
LESS		0.9	1.1						2.4		
C.C		0.0 2.0	1.4						0.4 3.4		
0.10		.9.6	36.9					9	57.1		
C.15		54.5	47.0						3.4		
0.20		121.3	5.4					17	29.1 6.3		
0.3C		0.4							0.5		
SUP		204.6	92.2					30	2.1		
	MINUTES	FOR CT/S	VS MU	BY R	ATE OF	CLIMB	-1200,	BY	MISSION	SEG.	STEADY
	LESS	0.06	0.09	0.12	0.15	0.18	0.21		SUM		
LESS		0.1							0.1		
0.05		0.1	0.1						0.1		
0.10											
0.15											
0.20		0.1							0.1		
0.25		0.1							0.1		
SUP		0.3	0.1						0.4		
	MINUTES	FOR CT/S	VS MU	BY RA	ATE OF	CLIMA	-120C.	RY	MISSION	SEG	SUM
							,		11.55104	360.	304
LESS	LESS U.4	0.06 1.0	0.09	0.12	0.15	0.18	0.21		SUM		
0.0	0.7	0.1	0.4						2.5		
C.05		2.0	1.5						3.5		
0.10	0.6	19.6	37.0						7.2		
0.15	2.3	54.7 121.8	47.0						3.5		
C.25	0.1	6.3	7.4					12	6.4		
0.3C									0.4		
SUP	5.4	205.4	92.4					30	3.2		
	MINUTES	FOR CT/S	VS MU	BY RA	TE OF	CL IMB	-900.	8 Y	MISSION	SEG.	ASCENT
	LESS	0.06	0.09	0.12	0.15	0.18	0.21		SUM		
LESS	0.1	- • - <del>•</del>	0.9	- <b>-</b>					0.9		
C.C	C.1		0.1						0.1		
0.05		0.1 0.1	J.3	0.1					0.1 0.5		
C.15		0.4	3.7						1.1		
0.2C		0.9	0.1						1.0		
0.25											
0.30		1.4	2 1	0 1					2 0		

# TABLE XLII - Continued MINUTES FOR CT/S VS PU BY RATE OF CLIMB -900. BY MISSION SEG. MANUVR

Į.	- T MO 1 62	FUR CI7	3 42 PU	DT P	AIE UF	CLIMB	-400,	D1 4133104	350.	HARLOWN
	LESS	0.06	0.09	0.12	0.15	0.18	0.21	SUM		
LESS				••••						
C.C										
0.05										
0.10										
0.15		0.5					•	0.5		
0.20		0.2						0.2		
C.25										
0.30										
SUP		0.7						0.7		
. м	TAHLTES	500 CT/S	We MIL	AV 04	** **	1 140	-000	BY MISSION	656	255547
Į#.	INDIES	FUR CITS	, 42 mu	OT RE	ILE UF L	LIMO	-900,	D1 4122104	350.	DESCHI
	LESS	0.06	0.09	0.12	0.15	0.18	0.21	SUM		
LESS	0.7	4.1	5.5			••••		10.3		
0. C	0.2	0.5	1.1					1.8		
0.05	0.7	7.6	14.3					22.6		
0.10	4.3	36.5	83.4					124.2		
0.15	7.2	127.4	118.0					252.5		
0.20	5.6	186.2	13.9					205.7		
0.25		5.5						5.5		
0.30										
SUP	18.6	367.8	236.2					622.6		
M	INUTES	FOR CT/S	VS MU	BY RA	TE OF C	LIMB	-900,	BY MISSION	SEG.	STEADY
	LESS	0.06	0.09	0.12	0.15	0.18	0.21	SUM		
LESS	U.3	1.9	0.6					2.8		
C.C			0.1					0.1		
0.05 0.10										
0.15		1 4	0.1 1.4					0.1 2.8		
0.20		3.4	4.7					3.4		
C.25		3.7						3. <del>4</del>		
0.30										
SUF	0.3	6.7	2.2					9.2		
	•••							,,,,		
	INUTES	FOR CT/S	UM 2V Z	BY R	ATE OF	LIMB	-900-	BY MISSION	SEG.	SUM
	LESS	0.06	0.09	0.12	0.15	0.18	0.21	SUM		
LESS	1.0	6.0	7.0					14.0		
C.C	0.2	0.5	i.3					2.0		
C.05	0.7	7.7	14.3					22.7		
0.10	4.3	36.6	83.9	0.1				124.8		
0.15	7.2	129.7	120.0					256.9		
C.20	5.6	190.7	14.1					210.3		
0.25		5.5						5.5		
0.30			242 5	-						
SUP	19.0	376.8	240.5	0.1				636.4		
				2.7 2.						
M	INUTES	FOR CT/S	2 A2 MA	BA MY	TIE OF C	LIMB	-600,	9A WISSIC1	SEG.	ASCENT
	LESS	0.06	0.09	0.12	0.15	0.18	0.21	SUM		
LESS	0.1	0.05	2.6	0.15	0.13	0.10	0.21	3.2		
C. C	901	0.3	0.5					0.8		
0.05		0.7	0.1					0.7		
0.10		1.0	3.6					4.7		
0.15								7 9 1		
	0.5							6.8		
	0.5	3.9	2.5					6.8 8.7		
C.2C	0.5	3.9 8.4	2.5					8.7		
C.2C	0.5	3.9	2.5							
C.2C	0.5	3.9 8.4 0.2	2.5					8.7		

### TABLE XLII - Continued

	MINUTES	FOR CT	'S VS MU	BY	RATE OF	CLIMB	-600,	BY MISSICY	SEG.	MANUVR
	LESS	0.06	0.09	0.12	0.15	0.18	0.21	SUM		
C. 0 C. 0										
0.10		0.1						0.1		
0.15		0.9						0.9		
0.25		0.8						0.8		
C.3C										
SUP		1.8						1.8		
,	MINUTES	FOR CT/	S VS MU	BY F	ATE OF	CL IMB	-60C,	BY MISSION	SEG.	DESCNT
	LESS	U.06	0.09	0.12	0.15	0.18	0.21	Sum		
LESS	2.2	19.9	12.3			••••		34.4		
0.C	1.1 5.8	12.1	7.6					20.7		
C.1C	12.3	42.4 84.7	45.0					93.2		
0.15	9.2	182.0	131.5 184.0	2.4				228.6		
3.20	7.0	312.6	16.4	2.7				377.6 336.0		
C.25	0.5	5.6						6.1		
SUP	30.1	659.2	396.8	2.4				1096.5		
•	INUTES	FOR CT/	S VS MU	BY F	ATE OF	CL IMB	-600,	BY MISSION	SEG.	STEADY
	LESS	0.06	0.09	0.12	0.15	0.18	0.21	SUM		
LESS	0.3	5.5	2.0					7.8		
C.C	0.3	0.5	0.2					1.0		
0.05		0.1	3.4 3.0					0.5 3.8		
C.15	J.2	11.9	13.7	0.4				23.2		
C.2C	0.2	32.7	0.7	•••				33.6		
C.25		0.1						0.1		
0.30										
SUP	4.0	51.5	17.1	0.4				70.0		
	INUTES	FOR CT/	S VS MU	BY R	ATE OF	CLIMB	-600,	BY MISSION	SEG.	SUM
	LESS	0.06	0.09	0.12	0.15	0.18	0.21	SUM		
LESS	4.6	25.9	16.9					45.4		
C.0 0.05	1.3 5.8	12.9 43.2	ა.3 45.5					22.5 94.4		
0.10	12.3	86.6	138.2					237.1		
C.15	9.9		197.2	2.8				408.5		
C.20	7.2	354.4	17.5					379.1		
0.25	C.5	5.9						6.4		
0.3C	39.6	727.5	423.4	2.8				1193.4		
,	INUTES	FOR CT/	S VS MU	BY R	ATE OF	CL 1MB	-300,	BY MISSICN	SEG.	ASCENT
	LESS	0.06	0.09	0.12	0.15	0.18	0.21	SUM		
LESS	3.5	44.4	115.3					163.5		
0.C	0.7	10.7	11.7					23.2		
0.05	1.5	15.1	15.9					32.5		
C.1C	1.7		154.9	0.2				194.6 522.0		
C.15	4.2 0.6	201.5 366.8	316.3 9.0					376.4		
0.25	0.0	1.4	, , ,					1.4		
0.30										
SUP	12.5	677.7	623.3	0.2				1313.7		

#### TABLE XLII - Continued MINUTES FOR CT/S VS MU BY RATE OF CLIMB -300. BY MISSICH SEG. MANUVR 0.06 0.09 0.15 6.12 0.18 0.21 SUM LESS C.C C.05 C.1C 0.2 0.2 3.5 0.15 3.5 0.20 .3.4 13.4 0.25 SUP 47.0 17.0 MINUTES FOR CT/S VS MU BY RATE OF CLIMB -300, BY MISSION SEG. DESCHT LESS 0.06 0.09 0.15 0.12 0.18 0.21 SUM 127.4 174.1 LESS 35.4 9.2 99.8 C.C C.05 10.2 45.0 124.0 68.8 115.9 0.10 8.1 82.4 206.4 9.7 264.4 0.15 346.3 622.1 0.2C 548.4 24.8 583.0 0.25 0.1 7.0 0.3C SUP 59.9 1165.2 591.5 1816.6 MINUTES FOR CT/S VS MU BY RATE OF CLIMB -300, BY MISSIDN SEG. STEADY LESS J.06 0.09 0.12 0.15 0.18 0.21 SUM LESS 23.1 408.9 74.7 503.7 C.C 3.6 37.2 4.4 45.1 0.05 12.8 20.7 33.5 38.5 0.2 0.10 305.5 344.2 0.15 4.6 631.2 1200.2 5.5 1639.5 10.9 1942.3 0.2C 2044.5 C.25 14.5 40.2 3085.4 1693.7 SUP 5.6 4825.0 -30C, BY MISSION SEG. MINUTES FOR CT/S VS MU BY RATE OF CLIMB SUM SUM LESS 3.36 0.09 0.12 0.15 0.18 0.21 841.3 LESS 30.3 580.6 222.4 G.O 13.5 114.6 40.1 168.2 0.05 96.7 81.6 190.0 14.6 0.10 9.8 158.9 576.4 0.4 745.4 Lu.2 1100.5 1862.9 2987.1 0.15 0.20 21.2 2870.9 125.1 3017.2 C.25 22.9 J.1 C.3C 112.7 4945.2 2908.5 7972.2 SUP 5.8 MINUTES FOR CT/S VS MU BY RATE OF CLIMB 30C, BY MISSION SEG. ASCENT SUM 0.06 0.09 0.12 0.15 0.18 0.21 LESS 66.6 LESS 2.0 35.0 24.6 20.0 0.0 0.6 10.6 8.8 50.7 32.4 C.05 0.9 17.4 205.9 0.10 4.7 35.3 165.3 0.5 343.9 0.15 1.7 154.4 187.9 C.2C 1.6 127.0 3.7 132.3 0.9 0.25 0.3C 820.3 0.3 380.7 430.7 0.5 SUP

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			TAI	BLE X	LII -	Continu	ıed			
	MINUTES	FOR CT/S	VS MU	BY RA	TE CF	CL IMB	30C,	BY MISSION	SEG.	MANUVR
	LESS	0.06	0.09	0.12	0.15	0.18	0.21	SUM		
LESS										
C. 05										
0.10		0.1						0.1		
0.15		0.1						0.1		
0.20		1.0						1.0		
0.30										
SUP		1.1						1.1		
						_				
	wTUN1F2	FUR CT/S	A2 MA	BY PA	TE OF	CL IMB	3CC,	BY MISSIGN	SEG.	DESCNT
	LESS	0.06	0.09	0.12	0.15	0.18	0.21			
LESS C.C		2.6 0.0	2.0					5.0		
0.05		0.7	0.3					2.2 1.2		
0.10		3.8	3.1					4.1		
C.15	J. 3	8.3	6.7					15.4		
C.20		12.3	0.1					12.6		
C.25		0.5						0.5		
SUP		25.9	13.4					41.0		
	MINUTES	FOR CT/S	VS MU	BY RA	TE OF	CLIMB	30C,	BY MISSION	SEG.	STEADY
	LESS	J.06	0.09	0.12	0.15	0.18	0.21	SUM		
LESS		4.3	1.4					6.0		
0. C		0.1	0.2					0.3		
0.05			3.2					0.2		
C.1C		0.5	4.2					4.7 30.0		
0.15		15.2 36.3	14.6					37.4		
C.25		0.3	0.0					0.3		
C.3C										
SUP	0.9	56.6	21.3					78.8		
	MINUTES	FOR UT/S	VS MU	BY RA	TE CF	CLIMB	30C.	BY MISSIGN	SEG.	SUM
	LESS	0.06	0.09	0.12	0.15	0.18	0.21	SUM		
LESS		42.0	33.0					77.6		
0.05		11.5	10.1					22.4		
0.10			32.9	0.5				52.0 214.8		
0.15			209.2	0.,				389.4		
0.20		176.5	4.6					183.2		
C.25		1.7						1.7		
0.30		464.4	45-4	0.5				941.2		
30.	,	10111	,0,04	0.7				771.6		
	MINUTES	FOR CT/S	VS MU	BY RA	TE OF	CL IMB	600.	BY MISSION	SEG.	ASCENT
	LESS	0.06	0.09	0.12	0.15	0.18	0.21	SUM		
r & S S		20.7	7.6					29.3		
C.C			4.1					11.8		
0.35			22.4					36.8 185.6		
0.10 C.15		153.8	84.3					241.2		
G.2C		46.5	J.4					47.4		
0.25		0.3						0.3		
0.30										
SHE	6.6	298.1 2	47.7					552.4		

```
TABLE XLII - Continued
                                                      600, BY MISSION SEG. MANUVR
                                BY RATE OF CLIMB
    MINUTES FOR CT/S VS MU
                                                               SUM
                       0.09
                                      0.15
                                                      0.21
                               0.12
       LESS
               0.06
LESS
C.C
0.05
                                                               0.3
                0.3
0.10
                                                               0.3
                0.3
0.20
                0.2
0.25
0.30
                                                               0.9
 SUM
                0.9
                                                       6CC. BY MISSION SEG. DESCHT
    MINUTES FOR CT/S VS MU
                                BY RATE OF CLIMB
                                                               SUM
       LESS
               3.06
                       0.09
                               0.12
                                      0.15
                                              0.18
                                                       0.21
LESS
                0.9
                                                               1.6
                        U.7
 0. C
        0.0
                0.1
                        0.1
                                                               0.2
0.05
                                                               0.0
        0.0
0.1C
C.15
                0.2
                                                               0.9
         0.1
                        0.6
                2.2
                                                               2.9
                1.C
                                                               1.1
0.20
         0.1
                0.2
                                                                0.2
0.25
C.3C
                4.5
                        2.1
                                                                6.9
        U.3
    MINUTES FOR CT/S VS MU
                                BY RATE OF CLIMB
                                                      60C, BY MISSICH SEG. STEADY
       LESS
               0.06
                       0.09
                                      0.15
                                                      0.21
                                                               SUM
LESS
                0.9
                                                               1.6
        U. 4
                        0.4
 0.0
                0.1
                                                               0.1
0.05
0.10
                0.1
                        0.5
                                                               0.6
0.15
                1.9
                                                               4.0
                        4.1
C.2C
        J.1
                5.0
                                                               5.1
0.25
0.30
                8.0
                        3.0
                                                              11.4
    MINUTES FOR CT/S VS MU
                                BY RATE OF CLIMB
                                                       6CO, BY MISSION SEG.
                                                                                 SUM
       LESS
               0.06
                       0.09
                               0.12
                                       0.15
                                               0.18
                                                       0.21
                                                               SUM
               22.5
        4.4
LESS
                                                              32.5
                        8.7
 C.C
                        4.2
                                                              12.1
0.05
        0.6
               13.9
                       22.4
                                                              36.8
               56.2
0.10
        0.8
                      130.3
                                                             187.3
        3.4
0.7
0.15
              158.2
                       86.8
                                                             248.4
0.20
               52.8
                        0.4
                                                              53.9
0.25
                0.5
                                                               0.5
0.30
          .3 311.5 252.8
 SUM
                                                             571.6
    MINUTES FOR CT/S VS MU
                                BY RATE OF CLIMB
                                                       9CC, BY MISSION SEG. ASCENT
               0.06
       LċSS
                       0.09
                               0.12
                                       0.15
                                               9.18
                                                                SUM
LESS
        0.1
0.8
                8.1
                        i.3
                                                              10.3
 C.C
                3.8
                        0.6
                                                               4.6
0.05
               12.3
                        3.5
                                                              16.6
0.10
        U.7
              59.2
115.1
19.1
                       47.0
                                                             106.6
                       36.2
                                                             152.1
0.20
        0.1
                        1.1
                                                              20.3
         0.i
                                                               0.1
0.30
 SUM
         3.1 217.6
                       89.8
                                                             310.6
```

		Т	ABLE	XLII -	- Co	ntinued					
M	INUTES	FOR CT/S	VS MU	BY RA	TE OF	CLIMB	900,	BY	MISSION	SEG.	MANUVR
	LESS	0.06	0.09	0.12	0.15	0.18	0.21		Sum		
0.C 0.05 0.1C C.15		0.1							0.1		
0.2C 0.25 C.3C SUM		0.1							0.1		
M	INUTES	FOR CT/S	VS MU	BY RAT	TE OF	CLIMB	900.	BY	MISSION	SEG.	DESCNT
LESS C.C C.O5	LESS	0.06	0.09	0.12	0.15	0.16	0.21		SUM 0.1		
0.1C G.15 G.2C			0.1						0.1		
0.30 SUM			0.2						0.2		
м	INUTES	FOR CT/S	VS MU	BY RAT	TE OF	CLIMB	900.	BY	MISSION	SEG.	SUM
	LESS	0.00	0.09	0.12	0.15	0.18	0.21		SUM		
LESS G.C	0.1	8 • 1 3 • 8	0.6					1	10.4 4.6		
C.05	U.8	12.3	3.6						16.6		
0.1C 0.15	0.4	59.3 115.1	47.1 36.2						06.8 52.1		
C.2C C.25	0.1	19.1	1						0.1		
0.3C	3.1	2.7.7	9J.1					31	10.9		
		FOR CT/S		DV DAT	re ne	CL IMB	120C.		MISSICA	SEC.	ASCENT
								01		32.178	4 JUEN 1
LESS	LESS	3.6	0.09 0.4	0.12	0.15	C.18	0.21		SUM 4.8		
C. C		2.0	J.1						2.1		
0.05	0.7	9.0	3.9						12.0 51.0		
0.1C C.15	1.4	44.8 59.5	5.6						66.5		
C.2C 0.25 C.3C	•	5.0							5.0		
SUM	4.3	128.9	18.3					1	51.5		
M	INUTES	FOR CT/S						84	MISSION	SEG.	DESCNT
LESS C.C 0.05 C.1C	LESS	0.06	0.59	0.12	0.15	0.18	0.21		SUM		
0.20		0.1							0.1		
G.3C SUM		0.1							0.1		

```
TABLE XLII - Continued
MINUTES FOR CT/S VS MU BY RATE OF CLIMB 1
                                                       120C, BY MISSICH SEG.
                                                                                     SUM
                0.06
        LESS
                        0.09
                                0.12 0.15
                                                0.18
                                                         0.21
                                                                  SUM
                 3.6
2.0
9.C
LESS
                         0.4
         U.8
                                                                  4.8
 0. C
                         J.1
                                                                  2.1
C.35
         0.7
                         2.4
                                                                 12.0
         1.4
                49.3
                         9.9
                                                                 61.0
0.15
                59.5
                         5.6
                                                                66.5
C.2C
                 5.1
                                                                  5.1
C.25
0.30
 SUM
         4.3 129.C
                        18.3
                                                               151.5
    MINUTES FOR CT/S VS MU
                                 BY RATE OF CLIMB
                                                       15CC. BY MISSION SEG. ASCENT
        LESS
                0.06
                        0.09
                                0.12
                                        0.15
                                                0.18
                                                         0.21
                                                                  SUM
                 3.5
1.5
9.0
LESS
         0.4
0.2
0.9
                                                                  3.9
G.C
0.05
                                                                  1.7
                         U.1
                                                                 10.0
0.10
         1.7
                35.0
                         1.5
                                                                 38.3
0.15
         1.0
                26.6
                          1.3
                                                                 28.9
0.20
         0.2
                 1.9
                                                                  2.1
0.25
                 0.0
                                                                  0.0
C.3C
 SUM
                77.6
                         3.0
                                                                 84.9
    MINUTES FOR CT/S VS MU
                                 BY RATE OF CLIMB
                                                       15CC. BY MISSION SEG.
                                                                                     SUM
        LESS
                0.06
                        0.09
                                0.12
                                        0.15
                                                3.18
                                                         0.21
                                                                  SUM
         J.4
U.2
U.9
LESS
                 3.5
                                                                  3.9
                 1.5
C.C
                                                                  1.7
0.05
                         0.1
                                                                 10.0
C.1C
C.15
         1.7
                35.0
                         1.5
                                                                38.3
28.9
                26.6
C.2C
         0.2
                                                                 2.1
                 0.C
C.25
                                                                  0.0
0.30
                77.6
                         3.0
                                                                 84.9
 SUM
     MINUTES FOR CT/S VS MU
                                  BY RATE OF CLIMB
                                                        18CC. BY MISSION SEG. ASCENT
        LESS
                 J.06
                         3.09
                                0.12
                                         0.15
                                                 0.18
                                                         0.21
                                                                  SUM
LESS
         U.2
                  1.1
                          3.1
                                                                  1.5
 C.C
                  0.9
                                                                  0.8
0.05
         0.4
                  3.7
                          0.1
                                                                  4.3
C.1C
         0.5
                 A7.0
                          U.8
                                                                 19.3
C.15
         0.3
                 13.8
                                                                 14.2
0.2C
         0.1
                                                                  1.2
C.25
C.3C
 SUM
         1.5
                37.6
                                                                 40.2
                          ..1
                                                        1800, BY MISSICY SEG.
     MINUTES FOR CT/S VS MU
                                 BY RATE OF CLIMB
                                                                                     SUM
                U.06
                        0.09
                                0.12
                                        0.15
                                                C.16
                                                         0.21
                                                                  SUM
        LESS
LESS
         J. 2
                 1.1
                                                                  1.5
                         U.1
                  0.8
                                                                  J. 8
0.C
         U.5
                                                                  4.3
                 3.7
                          J.1
                          9.1
                                                                 18.3
                17.0
0.16
                13.8
                                                                 14.2
         0.3
0.15
                                                                  1.2
C.2C
         0.1
C.25
0.36
                                                                 40.2
                37.6
         4.5
                          1.1
 SUM
```

### TABLE XLII - Concluded

### MINUTES FOR CT/S VS MU BY RATE OF CLIMB 2130. BY MISSION SEG. ASCENT

LESS C.C 0.05 0.1C 0.15 0.2C 0.25	0.3 0.1 0.8	0.06 0.2 1.8 8.5 5.0	0.09	0.12	0.15	0.18	0.21	SUM 0.9 0.2 1.8 9.3 5.0	
0.3C SUM	1.1	16.5						17.6	

#### MINUTES FOR CT/S VS MU BY RATE OF CLIMB 2100. BY MISSION SEG. SUM 0.06 LÉSS 0.09 0.12 0.15 0.18 0.21 SUM LESS C.C 0.6 0.9 Ú.3

G.3C SUM	1.1	16.5	17.6
0.2C 0.25		0.3	0.3
0.15		5.C	5.0
0.1C	0.8	8.5	9.3
0.05	0.1	1.8	1.8

	INUTES	FOR CT	/S VS MU	BY R	ATE OF	CLIMB	SUM, BY MISSION SEG.	SUM
	LESS	3.36	0.39	0.12	0.15	0.18	0.21 SUM	
LESS	48.9	695.2	291.0				1035.1	
0.C	10.8	155.5	62.0				237.3	
0.05	22.6	218.5	205.0				446.1	
C.1C	34.7	572.7	1209.6	1.0			1817.9	
0.15	48.0	2075.4	2596.6	8.3			4728.8	
C.ZC	42.1	3893.8	174.3				4107.2	
C.25	0.9	52.6					53.5	
C.3C					•			
SUM	214.0	7664.1	4538.6	9.3			12426.0	

## TABLE XLIII. TIME FOR ENGINE TORQUE VERSUS AIRSPEED BY WEIGHT AND ALTITUDE, SAMPLE II

	MIMITE	FOR TO		Alacas			21000	_						
	LESS								TITUDE	LES				
LESS 40 60 65 70 75 80 85 90 90 105 110 115 120		10	20	30	40	50	0.5	70		90	100	110	120	SUM 1-3 0-4
SUM			0.3	0.4	0.6		0.5							1.7
,	INUTES	FOR TORK	QUE2 VS	AIRSPEE	87 WE	EGHT	21000.	BY ALT	30071	LESS				
LESS 40 60 65 70 75 60 85 90 95 100	LESS	10 0.3 0.4	20	30 0-2	40 0-1	50	60 0.5	70	80	90	100	110	120	SUM 1.3 0.4
110 115 120 SUM		0.6	0.3	0.2	0.1		0.5		- 111/10-					1.7
P	INUTES	FOR TORG	WEI VS	AIRSPEE	BY ME	I GHT	21000.	BY ALT	TTUDE	1000				
LESS 40 60 65 70 75 80 85 90 105 110 115	LESS 1-2 1-2 0.4 0.3 0.1	10 1.0 0.4 0.9 0.2 0.2 0.4	20 2.9 0.6 0.5 0.4 0.1 0.1	30 4.8 1.5 0.4 0.0 0.6 0.4	+0 1.2 0.7 0.2 0.3 0.1 0.2 0.1 0.1	0.2	60 0.1	70	. 80	90	100	110	120	SUM 12-3 4-3 1-8 1-5 1-4 0-8 1-4 0-4
120 SUM	3.3	3.5	4.9	8.4	2.9	0.9	0.1	0.4						24.4
,	INUTES	FOR TOR	QUE 2 VS	AIRSPEE	D BY WE	I GHT	21000,	BY ALT	TTUDE	1000				
LESS 40 60 65 75 80 85 90 95 100 105	LESS 0-3 0-7 0-6 0-2 0-1 0-1	10 0.8 0.9 0.2 0.3 0.6	20 4.7 1.2 0.1 0.0 0.0 0.2 0.7	30 4.2 1.0 0.9 1.0 0.8 0.6 0.6	40 2-2 0-5	50	60 0.1	70	80	90	100	110	120	SUM 12.3 4.3 1.8 1.5 1.4 0.8 1.4
115 120 SUM	2-1	3.2	7.2	9.1	2.6		0.1							24.4

TABLE XLIII - Continued

	41 h.uTee	500 TOB	WIE1 NE				21.000							
•	-140152	FOR TOR	AGET A2	AIRSPEE	ו דם ע:	IEIGHT	21000,	BY AL	TITUDE	2000				
LESS	LESS	10	20	30	40	50	60	70	80	90	100	110	120	SUM
40	3.4	1.6	3.0	10.7	11.2	2.1	1.0	0.1						32.7 18.0
60	1.3	0.5	0.6	1.0	0.4	0.2								4.0
65	2.2	0.6	0.8	1.5	1.8	0.7								7.7
70 75	2.9 3.9	1.1	1.5	2-1	2.6	2.0								12.3
80	2.7	1.7	4.5	7.1	4.4									20.8
85	2.2	1.4	4.9	9.8	10.9	0.4								29.6
90	2.3	2.2	4.3	9.7	6.4									25.0
95 100	0.7	1.7	3.7 2.0	12.0	2.0									20-1 13-6
105		0.4	1.0	0.6										1.6
110														
115														
SUM	28.2	14.8	28.8	72.8	48.5	5.6	1.4	0.1						200.1
									TITUDE	2000				
,		FOR TOR					21000,							
LESS	LESS 1.8	10	20 3.9	30 17.4	40 7.0	50 1.0	40 0.4	70 0.1	80	90	100	110	120	SUM 32.7
40		1.7	4.5	5.7	1.0	3.2	0.4	0.1						18.0
60		0.1	1.0	1.3	0.6	0.6								4.0
65		0.4	1.2	3.9	1.4	0.3								7.7
70 75		1.5	1.4	8.1	0.0 3.1	0.0								12.3
80		0.2	3.1	11.0	5.4	0.4								20.8
85	0.4	0.2	2.4	13.1	13.6									29.6
90		0.6	2.9	7.6	13.3									25.0 20.1
100		0.2	1.7 2.1	4.6	5.4									13.8
105		0.1	0.8	0.4	0.3									1.6
110														
115														
SUM		8.1	26.8	89.7	61.2	6.0	0.4	0.1						200.1
1	MINUTES	FOR TOR	QUEL VS	AIRSPE	ED BY	MEIGHT	21600,	BY AL	TITUDE	5000				
ı												•••		e
	LESS	FOR TOR	QUE1 VS	AIRSPEI 30	ED 8Y	MEIGHT 50	21000, 60	BY AL	60	5000 90	100	110	120	SUM
LESS 40	LESS				<b>40</b>						100	110	120	SUM 1.6
LESS 40 60	LESS			30	40	50					100	110	120	1.6
LESS 40 60	LESS				40 0.9 0.6	50					100	110	120	1.6 0.6 0.3
LESS 40 60	LESS			30	40 0.9	50					100	110	120	1.6
LESS 40 60 65 70 75	LESS	0.2	0.2	0.3 0.6 1.1	0.9 0.6 0.1	50					100	110	120	1.6 0.6 0.3 0.1 1.7 2.4
LESS 40 60 65 70 75 80	LESS	0.2 0.3 1.4	0.2 0.9 0.5	0.3 0.6 1.1 0.8	0.9 0.6 0.1 0.8 0.1	50					100	110	120	1.6 0.6 0.3 0.1 1.7 2.4 3.3
LESS 40 60 65 70 75 80 85	LESS	0.2	0.2	0.3 0.6 1.1	0.9 0.6 0.1	50					100	110	120	1.6 0.6 0.3 0.1 1.7 2.4 3.3 3.6
LESS 40 60 65 70 75 80 85 90	LESS	0.2 0.3 1.4	0.2 0.9 0.5 1.1	0.3 0.6 1.1 0.8 1.5	40 0.9 0.6 0.1 0.8 0.1	50					100	110	120	1.6 0.6 0.3 0.1 1.7 2.4 3.3 3.6 3.7
LESS 40 60 65 70 75 80 85 90 95	LESS	0.2 0.3 1.4	0.2 0.9 0.5 1.1	0.3 0.6 1.1 0.8 1.5	0.9 0.6 0.1 0.8 0.1	50					100	110	120	1.6 0.6 0.3 0.1 1.7 2.4 3.3 3.6 3.7
LESS 40 60 65 70 75 80 85 90 95 100	LESS	0.2 0.3 1.4	0.2 0.9 0.5 1.1	0.3 0.6 1.1 0.8 1.5	40 0.9 0.6 0.1 0.8 0.1	50					100	110	120	1.6 0.6 0.3 0.1 1.7 2.4 3.3 3.6 3.7
LESS 40 65 70 75 80 85 90 95 100 105 110	0.5 0.4	0.2 0.3 1.4 0.4	0.2 0.9 0.5 1.1	30 0.3 0.6 1.1 0.8 1.5 0.5	40 0.9 0.6 0.1 0.8 0.1 0.2 1.7 0.4	50 0.8					100	110	120	1.6 0.6 0.3 0.1 1.7 2.4 3.3 3.6 3.7 1.0
LESS 40 60 65 70 75 80 85 90 95 100 105	LESS	0.2 0.3 1.4	0.2 0.9 0.5 1.1	0.3 0.6 1.1 0.8 1.5	40 0.9 0.6 0.1 0.8 0.1	50					100	110	120	1.6 0.6 0.3 0.1 1.7 2.4 3.3 3.6 3.7
LESS 40 65 70 75 85 90 95 100 115 120 SUM	0.5 0.4	0.2 0.3 1.4 0.4	0.2 0.9 0.5 1.1 0.1	30 0.3 0.6 1.1 0.8 1.5 1.9 0.5	40 0.9 0.6 0.1 0.8 0.1 0.2 1.7 0.4 0.2	0.8			60		100	110	120	1.6 0.6 0.3 0.1 1.7 2.4 3.3 3.6 3.7 1.0
LESS 40 65 70 75 85 90 95 100 115 120 SUM	0.5 0.4 0.9	0.2 0.3 1.4 0.4	20 0.2 0.9 0.5 1.1 0.1	30 0.3 0.6 1.1 0.8 1.5 1.9 0.5	40 0.9 0.6 0.1 0.8 0.1 0.2 1.7 0.4 0.2	50 0.8 0.8 neight	60	70	60	90				1.6 0.6 0.3 0.1 1.7 2.4 3.3 3.6 3.7 1.0 0.2
LESS 400 600 655 700 755 800 855 1000 1055 1200 SUM	0.5 0.4	0.2 0.3 1.4 0.4	0.2 0.9 0.5 1.1 0.1	30 0.3 0.6 1.1 0.8 1.5 1.9 0.5	40 0.9 0.6 0.1 0.8 0.1 0.2 1.7 0.4 0.2	0.8 0.8 veight 50	21000,	70 By AL	<b>6</b> 0	90	100	110	120	1.6 0.6 0.3 0.1 1.7 2.4 3.3 3.6 3.7 1.0 0.2
LESS 400 605 700 855 900 105 1100 115 120 SUM	0.5 0.4 0.9 ***********************************	0.2 0.3 1.4 0.4	20 0.2 0.9 0.5 1.1 0.1	30 0.3 0.6 1.1 0.8 1.5 1.9 0.5	40 0.9 0.6 0.1 0.8 0.1 0.2 1.7 0.4 0.2	0.8 0.8 WEIGHT 50	21000,	70 By AL	<b>6</b> 0	90				1.6 0.6 0.3 0.1 1.7 2.4 3.3 3.6 3.7 1.0 0.2
LESS 400 600 65 700 75 80 80 85 100 105 110 115 120 SUM	0.5 0.4 0.9 MINUTES LESS	0.2 0.3 1.4 0.4	20 0.2 0.9 0.5 1.1 0.1	30 0.3 0.6 1.1 0.8 1.5 1.9 0.5	40 0.9 0.6 0.1 0.8 0.1 0.2 1.7 0.4 0.2	0.8 0.8 veight 50	21000,	70 By AL	<b>6</b> 0	90				1.6 0.6 0.3 0.1 1.7 2.4 3.3 3.6 3.7 1.0 0.2
LESS 400 600 855 700 955 1000 1055 1200 SUM	0.5 0.4 0.9 MINUTES LESS	0.2 0.3 1.4 0.4	20 0.2 0.9 0.5 1.1 0.1	30 0.3 0.6 1.1 0.8 1.5 1.9 0.5	40 0.9 0.6 0.1 0.8 0.1 0.2 1.7 0.4 0.2	0.8 0.8 WEIGHT 50 0.8 0.2	21000,	70 By AL	<b>6</b> 0	90				1.6 0.6 0.3 0.1 1.7 2.4 3.3 3.6 3.7 1.0 0.2
LESS 400 650 755 800 859 100 115 120 SUM	0.5 0.4 0.9 MINUTES LESS	0.2 0.3 1.4 0.4	20 0.2 0.9 0.5 1.1 0.1	30 0.3 0.6 1.1 0.8 1.5 1.9 0.5	40 0.9 0.6 0.1 0.8 0.1 0.2 1.7 0.4 0.2 5.0 8Y 0	0.8 0.8 WEIGHT 50 0.8 0.2	21000,	70 By AL	<b>6</b> 0	90				1.6 0.6 0.3 0.1 1.7 2.4 3.3 3.6 3.7 1.0 0.2
LESS 400 605 75 800 85 100 105 120 SUM	0.5 0.4 0.9 MENUTES LESS	0.2 0.3 1.4 0.4	20 0.2 0.9 0.5 1.1 0.1	30 0.3 0.6 1.1 0.8 1.5 1.9 0.5	40 0.9 0.6 0.1 0.8 0.1 0.2 1.7 0.4 0.2	0.8 0.8 WEIGHT 50 0.8 0.2	21000,	70 By AL	<b>6</b> 0	90				1.6 0.6 0.3 0.1 1.7 2.3 3.6 3.7 1.0 0.2
LESS 400 650 755 800 859 100 115 120 SUM	0.5 0.4 0.9 MINUTES LESS	0.2 0.3 1.4 0.4	20 0.2 0.9 0.5 1.1 0.1	30 0.3 0.6 1.1 0.8 1.5 1.9 0.5	40 0.9 0.6 0.1 0.8 0.1 0.2 1.7 0.4 0.2 5.0 8Y 0	0.8 0.8 WEIGHT 50 0.8 0.2	21000,	70 By AL	<b>6</b> 0	90				1.6 0.6 0.3 0.1 1.7 2.4 3.3 3.6 3.7 1.0 0.2
LESS 400 650 755 800 857 70 757 800 859 909 959 800 859 999 999 9999	0.5 0.4 0.9 MINUTES LESS	0.2 0.3 1.4 0.4	20 0.2 0.9 0.5 1.1 0.1 2.8 QUE2 VS 20	30 0.3 0.6 1.1 0.8 1.5 1.9 0.5 6.8 AIRSPEE 30 0.3	40 0.9 0.6 0.1 0.8 0.1 0.2 1.7 0.4 0.2 5.0 0.9 0.4	0.8 0.8 WEIGHT 50 0.8 0.2	21000,	70 By AL	<b>6</b> 0	90				1.6 0.6 0.3 0.1 1.7 2.4 3.3 3.6 3.7 1.0 0.2 18.6 SUM 1.6 0.6 0.3 0.1 1.7 2.4 3.3 3.6
LESS 400 600 755 800 855 120 SUM	0.5 0.4 0.9 MINUTES LESS	0.2 0.3 1.4 0.4	20 0.2 0.9 0.5 1.1 2.8 QUE2 VS 20	30 0.3 0.6 1.1 0.8 1.5 1.9 0.5 6.8 AIRSPEE 30 0.3 1.0 1.7 2.4 2.3	40 0.9 0.6 0.1 0.2 1.7 0.4 0.2 5.0 87 0.9 0.4	0.8 0.8 WEIGHT 50 0.8 0.2	21000,	70 By AL	<b>6</b> 0	90				1.6 0.6 0.3 0.1 1.7 2.4 3.3 3.6 1.0 0.2 18.6 0.3 0.1 1.7 2.4 3.3 3.6 1.0
LESS 400 605 75 800 85 120 SUM  LESS 400 60 75 80 80 95 120 SUM	0.5 0.4 0.9 MINUTES LESS	0.2 0.3 1.4 0.4	20 0.2 0.9 0.5 1.1 0.1 2.8 QUE2 VS 20	30 0.3 0.6 1.1 0.8 1.5 1.9 0.5 6.8 AIRSPEE 30 0.3	40 0.9 0.6 0.1 0.8 0.1 0.2 1.7 0.4 0.2 5.0 0.9 0.4	0.8 0.8 WEIGHT 50 0.8 0.2	21000,	70 By AL	<b>6</b> 0	90				1.6 0.6 0.3 0.1 1.7 2.4 3.3 3.6 3.7 1.0 0.2 18.6 SUM 1.6 0.6 0.3 0.1 1.7 2.4 3.3 3.6
LESS 400 65 75 80 85 90 95 100 105 100 105 110 105 110 105 110 105 110 115 100 105 110 115 100 105 115 100 115 100 115 115	0.5 0.4 0.9 MINUTES LESS	0.2 0.3 1.4 0.4	20 0.2 0.9 0.5 1.1 0.1 2.8 QUE2 VS 20	30 0.3 0.6 1.1 0.8 1.5 1.9 0.5 6.8 AIRSPEE 30 0.3	40 0.9 0.6 0.1 0.2 1.7 0.4 0.2 5.0 87 0.9 0.4	0.8 0.8 WEIGHT 50 0.8 0.2	21000,	70 By AL	<b>6</b> 0	90				1.6 0.6 0.3 0.1 1.7 2.4 3.3 3.6 1.0 0.2 18.6 0.3 0.1 1.7 2.4 3.3 3.6 1.0
LESS 400 650 75 800 85100 800 85100 800 85100 85100 85100 85100 85100 8511000 851100 851100 851100 851100 851100 851100 851100 851100 8511000 8511000 8511000 8511000 8511000 8511000 8511000 8511000 8511000	0.5 0.4 0.9 MINUTES LESS	0.2 0.3 1.4 0.4	20 0.2 0.9 0.5 1.1 0.1 2.8 QUE2 VS 20	30 0.3 0.6 1.1 0.8 1.5 1.9 0.5 6.8 AIRSPEE 30 0.3	40 0.9 0.6 0.1 0.2 1.7 0.4 0.2 5.0 87 0.9 0.4	0.8 0.8 WEIGHT 50 0.8 0.2	21000,	70 By AL	<b>6</b> 0	90				1.6 0.6 0.3 0.1 1.7 2.4 3.3 3.6 1.0 0.2 18.6 0.3 0.1 1.7 2.4 3.3 3.6 1.0 0.3

				T.A	BLE	XLI	II - C	ontin	ued					
	MINUTES	FOR TOR	QUEL VS	AIRSPE	ED BY W	EIGHT	21000,	BY AL	TITUUE	SUM				
LESS 40 65 70 75 80 85 90 95 100 105 110	1.7 2.6 3.0 3.9 2.7 2.7 2.7	10 2-8 1.1 0.9 1.5 1.3 2.8 2.5 3.0 2.6 1.7	20 6-1 1.5 1.1 0.8 1.9 1.8 5.5 5.5 5.8 3.7 2.0	30 15.5 8.2 1.3 1.6 2.7 3.4 8.8 10.6 11.3 13.9 10.2	40 13.0 3.9 1.2 2.1 2.8 5.3 4.9 11.0 6.7 3.7 2.1	50 2.7 1.0 0.2 0.7 2.0 0.2	60 1-0 1-0	70 0.5	80	90	100	110	120	SUM 46-3 24-2 6-4 9-5 13-8 17-1 24-6 33-3 29-0 23-8 14-8
SUM	32.3	20.7	34.6	88.3	56.9	7.2	2.0	0.5						244.7
	MINUTES						21000,		TITUDE	SUM				
LESS 40 60 65 70 75 80 85 90 95 100 115 115	2.5 1.0 0.3 0.6 0.7 0.4 0.7 0.8	10 2.2 3.0 0.4 0.9 2.0 0.4 0.3 0.3 0.9 0.2	20 8.9 5.8 1.1 1.3 1.4 2.0 4.0 2.9 4.1 2.2 2.4 0.8	30 21.8 6.7 2.2 5.2 8.8 9.9 13.3 15.6 9.9	40 9-3 2-4 1-0 1-4 0-8 3-1 5-8 14-2 13-4 10-9 5-8 0-5	50 1.0 3.9 0.3 0.1 1.3 0.5	1.0	70	•0	90	100	110	120	SUM 46-3 24-4 9-5 13-8 17-6 33-3 29-0 23-8 14-8
120 SUM		11.9	36.9	108.4	68.5	8.0	1.0	0.1						244.7
1	MINUTES	FOR TOR	QUE1 VS	AIRSPE	ED BY WI	EIGHT	23000,	BY AL	TITUDE	LESS				
LESS 40 60 65 70 75 80 95 100 105 110	LESS 0.2 0.4	10 0.4 0.3 0.3	20 1.1 0.7	30 3.2 0.3 0.5	40 5.5 1.7 0.1 0.1	50 2.3 0.7 0.2 0.1	60 0.9 0.2	70 0•2	80 C-1	90	100	110	120	SUM 13-8 4-2 0-8 0-4 0-1 0-4 0-3
SUM	0.6	1.3	2.1	4.0	7.4	3.2	1.1	0.2	C.1					19.8
•	INUTES F		NES AR		D BY WE		23000,		TITUDE	LESS				
LESS 40 60 65 70 75 80 85 90 95 100	0.2 0.2 0.2	10 1.4 1.4 0.1	20 3.0 0.9 0.1 0.2 0.1	30 6.6 1.0 0.2 0.2	40 2.2 0.8 0.4	50	60	70	80	90	100	110	120	SUM 13-8 4-2 0-8 0-4 0-1 0-4 0-3
110 115 120 SUM	0.5	2.9	4.5	6.3	3.4	0.3								19.6

TABLE XLIII - Continued

	MINUTES	FOR TOP	QUEL VS	AIRSPE	ED 84 P	EIGHT	23000.	BY AL	TITUDE	1000				
	LESS	10	20	30	40	50	60	70	80	90	100	110	120	SUM
LESS		8.1	11.0	18.7	21.2	8.9	4.3	1.6	0.8	0.3				80.2
40		2.9	2.9	3.0	7.5	2.3	1.5		0.7					29.3
60		0.4	0.9	2.4	1.9	0.6	0.4							8.4
65		0.5	0.9	2.7	1.5	0.9								8.2
70		1.2	0.7	3.4	3.3	1.1					+1			10.3
75	1.5	0.2	1.2	3.5	2.7	1.4								10.5
80	0.7	0.5	2.6	5.1	2.0	0.4								11.2
85	1.3	0.3	1.0	2.1	0.8	0.6								6.0
90	0.6	0.3	0.7	1.6	2.5									5.7
95		0.4	0.2	3.1	0.2									4.1
100			_											
105														
110														
115														
120														
SUM	21.6	14.8	22.0	46.4	43.5	16.1	6.2	1.6	1.4	0.3				174-0
							7.7	-					7	••••
	MINITER		011E3 VE	ATREBE		ETCHT	33000		TITIME	1000				
	MINUTES	FUR TUR	Anes As	AIRSPE	ED BY	EIGHI	23000,	OT AL	TITUUE	1000				
					4.0	-	40	70	••	-00	100	110	110	CLIM
	LESS	10	20	30	40	50	60	70	80	90	100	110	120	SUM
LESS		1.5	8.3	27.1	30.5		2.9	0.9						80.2
40		4-2	10.0	4.8	5.7	1.1	0.4	0.6						29.3
60		0.5	4.4	1.5	1.5	0.4	0.1							8.4
65		0.3	2.6	3.8	1.3	0.1	0.1							8.2
70		0.6	2.7	6.2	0.7	0.2								10.3
75		1.5	3.4	4.1	1.4	0.1								10.5
80		0.4	3.2	6.9	0.4	0.1								11.2
85		1.1	0.9	3.7		0.3								6.0
90			0.9	3.4	1.3									5.7
95			0.3	3.4	0.4									4.1
100														
105														
110														
115														
120														
SUM	1.6	10.1	36.5	66.9	43.1	10.8	3.5	1.5						174.0
	MINUTES	FOR TOR	GOET AZ	AIRSPE	ED BY	EIGHT	23000.	BY AL	TITUDE	2000				
										3.0				
	LESS	10	20	30	40	50	60	70	80	90	100	110	120	SUM
LESS	6.6	9.3	10.3	32.4	60.1	30.8	6.7	4.9	2-2	2.5	0.1			173.9
40		1.5	11.6	13.4	24.4	22.3	4.0	4.9	0-1					106-6
60					9.9	13.7	3.4	0.2						52.4
		4.6	4.6	8.7										
65		4.6	4.6	11.6	21.8	10.7	3.9	0.4						67.2
65	6.0						1.5	0.4						85.2
	10.8	4.5	8.2	11.6	21.8	10.7		0.4						
70	6.0 10.8 7.1	4.5	9.0	11.6	21.8	10.7	1.5	0.4						85.2
70 75	6.0 10.8 7.1 10.5	4.5 4.2 3.5	9.0 10.1	11.6 21.2 44.4	21.8 19.1 32.0	10.7 19.3 16.4	1.5	0.4						85.2 123.8 193.9 264.5
70 75 80	6.0 10.8 7.1 10.5 7.6	4.5 4.2 3.5 10.5	9.0 10.1 20.3 29.4	11.6 21.2 44.4 83.2	21.8 19.1 32.0 48.9	10.7 19.3 16.4 10.7	1.5	0.4						85.2 123.8 193.9
70 75 80 85	6.0 10.8 7.1 10.5 7.6 8.5	4.5 4.2 3.5 10.5 10.6 8.3	9.0 18.1 28.3 29.4 23.0	11.6 21.2 44.4 83.2 129.1 114.5	21.8 19.1 32.0 48.9 77.8	10-7 19-3 16-4 10-7	1.5 1.5 1.6 1.3	0.4						85.2 123.8 193.9 264.5
70 75 80 83 90	6.0 10.8 7.1 10.5 7.6 8.5 5.8	4.5 4.2 3.5 10.5 10.6 8.3	9.0 18.1 28.3 29.4 23.0	11.6 21.2 44.4 83.2 129.1 114.5 62.9	21.8 19.1 32.8 48.9 77.8 65.4	10.7 19.3 16.4 10.7 8.6 7.8	1.5 1.5 1.6 1.3	0.4						85.2 123.8 193.9 264.5 227.7
70 75 80 83 90 95	6.0 10.8 7.1 10.5 7.6 8.5 5.8	4.5 4.2 3.5 10.5 10.6 8.3 8.0 3.5	9.0 16.1 26.3 29.4 23.0 11.6 4.3	11.6 21.2 44.4 83.2 129.1 114.5 62.9 21.1	21.8 19.1 32.0 48.9 77.8 45.4 37.3 9.5	10.7 19.3 16.4 10.7 8.6 7.8 9.8 5.2	1.5 1.5 1.6 1.3	0.4						85.2 123.8 193.9 264.5 227.7 135.4 48.6
70 75 80 83 90 95 100	6.0 10.8 7.1 10.5 7.6 8.5 5.8 5.1	4.5 4.2 3.5 10.5 10.6 8.3	9.0 18.1 28.3 29.4 23.0	11.6 21.2 44.4 83.2 129.1 114.5 62.9 21.1	21.8 19.1 32.0 48.9 77.8 45.4 37.3	10.7 19.3 16.4 10.7 8.6 7.8	1.5 1.5 1.6 1.3	0.4						85.2 123.8 193.9 264.5 227.7 135.4
70 75 80 83 90 95 100 105	6.0 10.8 7.1 10.5 7.6 8.5 5.8 5.1	4.5 4.2 3.5 10.5 10.6 8.3 8.0 3.5	9.0 16.1 26.3 29.4 23.0 11.6 4.3	11.6 21.2 44.4 83.2 129.1 114.5 62.9 21.1	21.8 19.1 32.0 48.9 77.8 65.4 37.3 9.5	10.7 19.3 16.4 10.7 8.6 7.8 9.8 5.2	1.5 1.5 1.6 1.3	0.4						85.2 123.8 193.9 264.5 227.7 135.4 48.6 10.0
70 75 80 83 90 95 100 105 110	6.0 10.8 7.1 10.5 7.6 8.5 5.8 5.1	4.5 4.2 3.5 10.5 10.6 8.3 8.0 3.5	9.0 16.1 26.3 29.4 23.0 11.6 4.3	11.6 21.2 44.4 83.2 129.1 114.5 62.9 21.1	21.8 19.1 32.0 48.9 77.8 65.4 37.3 9.5	10.7 19.3 16.4 10.7 8.6 7.8 9.8 5.2	1.5 1.5 1.6 1.3	0.4						85.2 123.8 193.9 264.5 227.7 135.4 48.6 10.0
70 75 80 83 90 95 100 105 110	6.0 10.8 7-1 10.5 7.6 8.5 5.8 5.1	4.5 4.2 3.5 10.5 10.6 8.3 8.0 3.5	9.0 18.1 28.3 29.4 23.0 11.6 4.3 2.6	11.6 21.2 44.4 83.2 129.1 114.5 62.9 21.1 4.6 0.2	21.8 19.1 32.0 48.9 77.8 65.4 37.3 9.5 0.4	10.7 19.3 16.4 10.7 8.6 7.8 9.8 5.2	1.5 1.5 1.8 1.3 0.2		2.3	2.5	0-1			85.2 123.8 193.9 264.5 227.7 135.4 48.6 10.0
70 75 80 83 90 95 100 105 110	6.0 10.8 7-1 10.5 7.6 8.5 5.8 5.1	4.5 4.2 3.5 10.5 10.6 8.3 8.0 3.5	9.0 16.1 26.3 29.4 23.0 11.6 4.3	11.6 21.2 44.4 83.2 129.1 114.5 62.9 21.1 4.6 0.2	21.8 19.1 32.0 48.9 77.8 65.4 37.3 9.5	10.7 19.3 16.4 10.7 8.6 7.8 9.8 5.2	1.5 1.5 1.6 1.3	10.4	2.3	2.5	0-1			85.2 123.8 193.9 264.5 227.7 135.4 48.6 10.0
70 75 80 83 90 95 100 105 110	6.0 10.8 7-1 10.5 7.6 8.5 5.8 5.1	4.5 4.2 3.5 10.5 10.6 8.3 8.0 3.5	9.0 18.1 28.3 29.4 23.0 11.6 4.3 2.6	11.6 21.2 44.4 83.2 129.1 114.5 62.9 21.1 4.6 0.2	21.8 19.1 32.0 48.9 77.8 65.4 37.3 9.5 0.4	10.7 19.3 16.4 10.7 8.6 7.8 9.8 5.2	1.5 1.5 1.8 1.3 0.2		2.3	2.5	0-1			85.2 123.8 193.9 264.5 227.7 135.4 48.6 10.0
70 75 80 83 90 95 100 105 110	6.0 10.8 7-1 10.5 7.6 8.5 5.8 5.1	4.5 4.2 3.5 10.5 10.6 8.3 8.0 3.5	9.0 18.1 28.3 29.4 23.0 11.6 4.3 2.6	11.6 21.2 44.4 83.2 129.1 114.5 62.9 21.1 4.6 0.2	21.8 19.1 32.0 48.9 77.8 65.4 37.3 9.5 0.4	10.7 19.3 16.4 10.7 8.6 7.8 9.8 5.2	1.5 1.5 1.8 1.3 0.2		2.3	2.5	0-1			85.2 123.8 193.9 264.5 227.7 135.4 48.6 10.0
70 75 80 83 90 95 100 113 120 SUM	6.0 10.8 7-1 10.5 7.6 8.5 5.8 5.1	4.5 4.2 3.5 10.5 10.6 8.3 8.0 3.5 1.1	9.2 9.0 18.1 28.3 29.4 23.0 11.6 4.3 2.6	11.6 21.2 44.4 83.2 129.1 114.5 62.9 21.1 4.6 0.2	21.8 19.1 32.0 48.9 77.8 45.4 37.3 9.5 0.4 0.0	10.7 19.3 16.4 10.7 8.6 7.8 9.8 5.2 0.4	1.5 1.5 1.6 1.3 0.2	10.4			0-1			85.2 123.8 193.9 264.5 227.7 135.4 48.6 10.0
70 75 80 83 90 95 100 113 120 SUM	6.0 10.8 7.1 10.5 7.6 8.5 5.8 5.1 0.9	4.5 4.2 3.5 10.5 10.6 8.3 8.0 3.5 1.1	9.2 9.0 18.1 28.3 29.4 23.0 11.6 4.3 2.6	11.6 21.2 44.4 83.2 129.1 114.5 62.9 21.1 4.6 0.2	21.8 19.1 32.0 48.9 77.8 45.4 37.3 9.5 0.4 0.0	10.7 19.3 16.4 10.7 8.6 7.8 9.8 5.2 0.4	1.5 1.5 1.6 1.3 0.2	10.4	2.3 T1TUDE	2.5	0-1			85.2 123.8 193.9 264.5 227.7 135.4 48.6 10.0
70 75 80 83 90 95 100 113 120 SUM	6.0 10.8 7.1 10.5 7.6 8.5 5.8 5.1 0.9	4.5 4.2 3.5 10.5 10.6 8.3 8.0 3.5 1.1	8-2 9-0 18-1 28-3 29-4 23-0 11-6 4-3 2-6	11.6 21.2 44.4 83.2 129.1 114.5 62.9 21.1 4.6 0.2	21.8 19.1 32.6 48.9 77.8 65.4 37.3 9.5 0.4 0.0	10.7 19.3 16.4 10.7 8.6 7.8 9.8 5.2 0.4	1.5 1.5 1.8 1.3 0.2	10.4 By Al	TITUDE	2000		110		85.2 123.8 193.9 264.5 227.7 135.4 48.6 10.0 0.3
70 75 80 83 90 100 110 113 120 SUM	6.0 10.8 7.1 10.5 7.6 8.5 5.8 5.1 0.9	4.5 4.2 3.5 10.5 10.6 8.3 8.0 3.5 1.1	8-2 9-0 18-1 28-3 29-4 23-0 11-6 4-3 2-6	11.6 21.2 44.6 83.2 129.1 114.5 62.9 21.1 4.6 0.2 547.3	21.8 19-1 32.0 48.9 77.8 65.4 37.3 9.5 0.4 0.0	10.7 19.3 16.4 10.7 8.6 7.8 9.8 5.2 0.4	1.5 1.5 1.6 1.3 0.2 26.3	10.4 By Al 70			0-1	110	120	85.2 123.8 193.9 264.5 227.7 135.4 48.6 10.0 0.3
70 75 80 83 90 95 100 113 120 SUM	6.0 10.8 7.1 10.5 7.6 8.5 5.8 5.1 0.9 91.3	4.5 4.2 3.5 10.5 10.6 8.3 8.0 3.5 1.1	8-2 9-0 18-1 28-3 29-4 23-0 11-6 4-3 2-6	11.6 21.2 44.4 83.2 129.1 114.5 62.9 21.1 4.6 0.2 547.3	21.8 19-1 32.6 48.9 77.8 65.4 37.3 9.5 0.4 0.0	10-7 19-3 16-4 10-7 8-6 7-8 9-8 5-2 0-4 155-7	1.5 1.5 1.8 1.3 0.2 26.3	10.4 BY AL 70 1.8	TITUDE	2000		110		85.2 123.8 193.9 264.5 227.7 135.4 48.6 10.0 0.3
70 75 80 95 90 95 100 115 120 SUM	6.0 10.8 7.1 10.5 7.6 8.5 5.8 5.1 0.9 91.3 HINUTES	4.5 4.2 3.5 10.5 10.6 8.3 8.0 3.5 1.1 76.7	8-2 9-0 18-1 28-3 29-4 23-0 11-6 4-3 2-6 169-2 20-7 14-0	11.6 21.2 44.4 83.2 129.1 114.5 62.9 21.1 4.6 0.2 547.3	21.8 19-1 32.8 48.9 77.8 65.4 37.3 9.5 0.4 0.0 407.5	10-7 19-3 16-4 10-7 8-6 7-8 9-8 5-2 0-4 155-7 HEIGHT	1.5 1.5 1.8 1.3 0.2 24.3 23000,	10.4 By Al 70	TITUDE	2000		110		85.2 123.8 123.8 124.5 227.7 135.4 48.6 10.0 0.3 1489.4 SUM 173.9 106.6
70 75 80 90 95 100 115 120 SUM	6.0 10.8 7.1 10.5 7.6 8.5 5.8 5.1 0.9 91.3 MINUTES LESS 4.3 8.6	4.5 4.2 3.5 10.3 10.6 8.3 8.0 3.5 1.1 76.7 FOR YOI 10.4 9.5 6.9	8-2 9-0 18-1 28-3 29-4 23-0 11-6 4-3 2-6 169-2 20 21-7 14-0 8-2	11.6 21.2 44.6 83.2 129-1 114.5 62.9 21.1 4.6 0.2 547-3 63-1 17.2 8.5	21.8 19-1 32.8 48.9 77.8 65.4 37.3 9.5 0.4 0.0 407.5 EED BY 1	10.7 19.3 16.4 10.7 8.6 7.8 9.8 5.2 0.4 155.7 4EIGHT 50 16.6 19.4	1.5 1.5 1.8 1.3 0.2 26.3 23000,	10.4 BY AL 70 1.8	TITUDE	2000		110		85.2 123.8 193.9 264.5 227.7 135.4 48.6 10.0 0.3 1489.4 SUM 173.9 106.6 52.4
70 75 80 90 95 100 105 115 120 SUM	6.0 10.8 7.1 10.5 7.6 8.5 5.8 5.1 0.9 91.3 MINUTES LESS 4.3 8.6 2.5	4.5 4.2 3.5 10.5 10.6 8.3 8.0 3.5 1.1 76.7 FOR TOI 10 10.4 9.5 6.9 7.1	8-2 9-0 18-1 28-3 29-4 23-0 11-6 4-3 2-6 169-2 20 21-7 14-0 8-2 9-9	11.6 21.2 44.6 83.2 129.1 114.5 62.9 21.1 4.6 0.2 547.3 63.1 17.2 8.5 13.5	21.8 19-1 32.0 48.9 77.8 65.4 37.3 9.5 0.4 0.0 407.5 EED BY 1 40 50.2 30.5 9.7 21.4	10.7 19.3 16.4 10.7 8.6 7.8 9.8 5.2 0.4 155.7 4EIGHT 50 16.6 19.4 17.4	1.5 1.5 1.8 1.3 0.2 24.3 23000. 60 5.9 5.8 1.0	10.4 BY AL 70 1.8	TITUDE	2000		110		85.2 123.8 193.9 264.5 227.7 135.4 48.6 10.0 0.3 1489.4 SUM 173.9 106.6 52.4 67.2
70 75 80 90 95 100 113 120 SUM	6.0 10.8 7.1 10.5 7.6 8.5 5.8 5.1 0.9 91.3 MINUTES 4.3 8.6 2.5 2.2 2.3	4.5 4.2 3.5 10.5 10.6 8.3 8.0 3.5 1.1 76.7 FOR TOI 10.4 9.5 6.9 7.1	8-2 9-0 18-1 28-3 29-4 23-0 11-4 4-3 2-6 169-2 RQUEZ VS 20 21-7 14-0 8-2 9-9 10-4	11.6 21.2 44.4 83.2 129.1 114.5 62.9 21.1 4.6 0.2 547.3 643.1 17.2 8.5 13.5	21.8 19-1 32.8 48.9 77.8 65.4 37.3 9.5 0.4 0.0 407.5 EED BY 1 40 50.2 30.5 9.7 21.4 22.9	10-7 19-3 16-4 10-7 8-6 7-8 9-8 5-2 0-4 155-7 4EIGHT 50 16-6 19-4 15-6 12-0 11-5	1.5 1.5 1.8 1.3 0.2 24.3 23000, 60 5.9 5.8 1.0 1.2 0.3	10.4 BY AL 70 1.8	TITUDE	2000		110		85.2 123.8 123.9 264.5 227.7 135.4 48.6 10.0 0.3 1489.4 SUM 173.9 106.6 52.4 67.2 85.2
70 75 83 90 95 100 115 110 5UM LESS 40 65 77	6.0 10.8 7.1 10.5 7.6 8.5 5.8 5.1 0.9 91.3 MINUTES LESS 4.3 8.6 2.5 2.2 2.3	4.5 4.2 3.5 10.3 10.6 8.3 8.0 3.5 1.1 76.7 FOR TOI 10.4 9.5 6.9 7.1 9.5	8-2 9-0 18-1 28-3 29-4 23-0 11-6 4-3 2-6 169-2 20 21-7 14-0 8-2 9-9 10-4 14-3	11.6 21.2 44.6 83.2 129-1 114.5 62.9 21.1 4.6 0.2 547.3 63-1 17.2 8.5 13.5 20.5 52.0	21.8 19.1 32.8 48.9 77.8 65.4 37.3 9.5 0.4 0.0 407.5 EED BY 1 40 50.2 30.5 9.7 21.4 22.9	10-7 19-3 16-4 10-7 8-6 7-8 9-8 5-2 0-4 155-7 #EIGHT 50 16-6 12-0 11-5	1.5 1.5 1.8 1.3 0.2 24.3 23000, 60 5.9 5.8 1.0 1.2 0.3	10.4 BY AL 70 1.8	TITUDE	2000		110		85.2 123.8 193.9 264.5 227.7 135.4 48.4 10.0 0.3 1489.4 SUM 173.9 152.4 67.2 87.2 87.2
70 75 80 90 95 100 115 120 SUM	6.0 10.8 7.1 10.5 7.6 8.5 5.8 5.1 0.9 91.3 MINUTES LESS 4.3 8.6 2.5 2.2 2.3	4.5 4.2 3.5 10.5 10.6 8.3 8.0 3.5 1.1 76.7 FOR TOI 10.4 9.5 6.9 7.1 9.4 5.5 4.3	8-2 9-0 18-1 28-3 29-4 23-0 11-6 4-3 2-6 169-2 20 21-7 14-0 9-9 10-4 14-3 32-6	11.6 21.2 44.6 83.2 129.1 114.5 62.9 21.1 4.6 0.2 547.3 30 63.1 17.2 8.5 13.5 28.5 52.0 96.6	21.8 19-1 32.8 48.9 77.8 65.4 37.3 9.5 0.4 0.0 407.5 EED BY 1 40 50.2 30.5 9.7 21.4 22.9 31.6 43.6	10.7 19.3 16.4 10.7 8.6 7.8 9.8 5.2 0.4 155.7 4EIGHT 50 16.6 17.4 17.4 17.4 17.4 17.4 17.4 17.4 17.4	1.5 1.5 1.8 1.3 0.2 26.3 23000. 60 5.9 5.8 1.0 1.2 0.3 0.4 0.9	10.4 BY AL 70 1.8	TITUDE	2000		110		85.2 123.8 123.9 264.5 227.7 135.4 48.6 10.0 0.3 1489.4 SUM 173.9 106.6 52.4 67.2 85.2 123.9
70 75 80 90 95 100 113 120 SUM	6.0 10.8 7.1 10.5 7.6 8.5 5.8 5.1 0.9 91.3 MINUTES 4.3 8.6 2.5 2.2 2.3 2.3 2.3	4.5 4.2 3.5 10.5 10.6 8.3 8.0 3.5 1.1 76.7 FOR TOI 10 10.4 9.5 6.9 7.1 9.4 5.5 4.1	8-2 9-0 18-1 28-3 29-4 23-0 11-6 4-3 2-6 169-2 20 21-7 14-0 8-2 9-9 10-4 14-3 32-6	11.6 21.2 44.4 83.2 129.1 114.5 62.9 21.1 4.6 0.2 547.3 63.1 17.2 8.5 13.5 52.0 96.6 112.3	21.8 19-1 32.8 48.9 77.8 65.4 37.3 9.5 0.4 0.0 407.5 EED 8V 1 40 50.2 30.5 9.7 21.4 22.9 31.6 43.6 92.0	10-7 19-3 16-4 10-7 8-6 7-8 9-8 5-2 0-4 155-7 4EIGMT 50 11-5 17-5 11-5 11-5 11-5	1.5 1.5 1.8 1.3 0.2 24.3 24.3 23000, 60 5.9 5.8 1.0 1.2 0.3 0.4 0.9 0.5	10.4 BY AL 70 1.8	TITUDE	2000		110		85.2 123.8 123.9 264.5 227.7 135.4 48.6 10.0 0.3 1489.4 SUM 173.9 106.6 52.4 85.2 123.8 123.8 126.5
70 75 83 90 95 105 110 5 UM LESS 40 65 75 80 85 90	6.0 10.8 7.1 10.5 7.6 8.5 5.8 5.1 0.9 91.3 MINUTES 4.3 8.6 2.5 2.2 2.3 2.5 2.3 2.5	4.5 4.2 3.5 10.5 10.6 8.3 8.0 3.5 1.1 76.7 FOR TOI 10 10.4 9.5 6.9 7.1 9.4 5.5 4.3 4.1 2.1	8-2 9-0 18-1 28-3 29-4 23-0 11-6 4-3 2-6 169-2 20 21-7 14-0 8-2 9-9 10-4 14-3 32-6 36-6 3	11.6 21.2 44.4 83.2 129.1 114.5 62.9 21.1 4.6 0.2 547.3 63.1 17.2 8.5 13.5 28.5 52.0 94.6 112.3	21.8 19.1 32.8 48.9 77.8 65.4 37.3 9.5 0.4 0.0 407.5 EED BY 1 40 50.2 30.5 9.7 21.4 22.9 31.6 43.6 92.0 88.3	10-7 19-3 16-4 10-7 8-6 7-8 9-8 5-2 0-4 155-7 4EIGHT 50 16-6 19-4 15-6 12-0 11-5 17-5 13-6 16-1	24.3 24.3 23000, 60 5.9 5.8 1.0 0.3 0.4 0.9	10.4 BY AL 70 1.8	TITUDE	2000		110		85.2 123.8 193.9 264.5 227.7 135.4 48.6 10.0 0.3 1489.4 SUM 173.9 264.5 193.9 264.5 227.7
70 75 80 90 95 100 110 110 5 UM LESS 400 65 70 70 70 70 85 99	6.0 10.8 7.1 10.5 7.6 8.5 5.8 5.1 0.9 91.3 MINUTES LESS 4.3 2.5 2.3 2.5 2.0 0.9	4.5 4.2 3.5 10.3 10.6 8.3 8.0 3.5 1.1 76.7 FOR TOI 10 10.4 9.5 6.9 7.1 9.5 4.3 4.1 2.1	8-2 9-0 18-1 28-3 29-4 23-0 11-6 4-3 2-6 169-2 20 21-7 14-0 8-2 9-9 10-4 14-3 32-6 15-5 7-4	11.6 21.2 44.8 83.2 129-1 114.5 62.9 21.1 4.6 0.2 547-3 30 63-1 17-2 8.5 13.5 52.0 96.6 112.3 101.1 53.9	21.8 19.1 32.8 48.9 77.8 65.4 37.3 9.5 0.4 0.0 407.5 EED BY 1 40 50.2 30.5 9.7 21.4 22.9 9.7 21.4 22.9 86.3 33.5	10-7 19-3 16-4 10-7 8-6 7-8 9-8 5-2 0-4 155-7 50 16-6 12-0 11-5 17-5 13-6 16-1 16-1	1.5 1.5 1.8 1.3 0.2 26.3 23000, 60 5.9 1.0 1.2 0.3 0.4 0.9 0.5	10.4 BY AL 70 1.8	TITUDE	2000		110		85.2 123.8 123.9 264.5 227.7 135.4 10.0 0.3 1489.4 SUM 173.9 106.4 67.2 85.2 193.9 264.5 227.7 135.4
70 75 80 90 95 100 115 120 SUM LESS 40 65 70 75 85 90 95	6.0 10.8 7.1 10.5 7.6 8.5 5.8 5.1 0.9 91.3 MINUTES LESS 4.3 8.6 2.5 2.2 2.3 2.8 2.0 0.9	4.5 4.2 3.5 10.6 8.3 8.0 3.5 1.1 76.7 FOR TOI 10.4 9.5 4.9 4.1 2.1 1.2	8-2 9-0 18-1 28-3 29-4 23-0 11-6 4-3 2-6 169-2 20 21-7 14-0 8-2 9-9 10-4 14-3 32-6 36-6 15-5 7-4 2-5	11-6 21-2 44-8 83-2 129-1 114-5 62-9 21-1 4-6 0-2 547-3 30 63-1 17-2 8-5 13-5 28-5 52-0 94-6 112-3 101-1 53-9 21-9	21.8 19-1 32.8 48.9 77.8 65.4 37.3 9.5 0.4 0.0 407.5 EED 8Y 1 40 50.2 30.5 9.7 21.4 22.9 31.6 92.0 88.3 53.7 14.4	10.7 19.3 16.4 10.7 8.6 7.8 9.8 5.2 0.4 155.7 4EIGHT 50 16.6 17.4 17.6 17.4 17.6 16.1	24.3 24.3 23000, 60 5.9 5.8 1.0 0.3 0.4 0.9	10.4 BY AL 70 1.8	TITUDE	2000		110		85.2 123.8 193.9 264.5 227.7 135.4 48.6 10.0 0.3 1489.4 SUM 173.9 106.6 67.2 85.2 123.9 264.5 227.7 135.4
70 75 80 90 95 100 113 120 SUM LESS 40 60 60 60 60 90 90 90 90	6.0 10.8 7.1 10.5 7.6 8.5 5.8 5.1 0.9 91.3 MINUTES LESS 4.3 8.6 2.5 2.3 2.3 2.5 2.3 2.9 0.9	4.5 4.2 3.5 10.3 10.6 8.3 8.0 3.5 1.1 76.7 FOR TOI 10 10.4 9.5 6.9 7.1 9.5 4.3 4.1 2.1	8-2 9-0 18-1 28-3 29-4 23-0 11-6 4-3 2-6 169-2 20 21-7 14-0 8-2 9-9 10-4 14-3 32-6 15-5 7-4	11.6 21.2 44.4 83.2 129.1 114.5 62.9 21.1 4.6 0.2 547.3 30 63.1 17.2 8.5 52.0 96.6 112.3 101.1 53.9 21.9	21.8 19.1 32.8 48.9 77.8 65.4 37.3 9.5 0.4 0.0 407.5 EED BY 1 40 50.2 30.5 9.7 21.4 43.6 92.0 88.3 53.7 14.4 2.3	10-7 19-3 16-4 10-7 8-6 7-8 9-8 5-2 0-4 155-7 50 16-6 12-0 11-5 17-5 13-6 16-1 16-1	1.5 1.5 1.8 1.3 0.2 26.3 23000, 60 5.9 1.0 1.2 0.3 0.4 0.9 0.5	10.4 BY AL 70 1.8	TITUDE	2000		110		85.2 123.8 193.9 264.5 227.7 135.4 48.6 10.0 0.3 1489.4 SUM 173.9 106.6 52.4 85.2 123.8 19264.5 227.7 135.4 48.6
70 75 83 90 105 110 5 UM LESS 40 65 70 75 80 85 95 100	6.0 10.8 7.1 10.5 7.6 8.5 5.8 5.1 0.9 91.3 MINUTES LESS 4.3 2.5 2.2 2.3 2.5 2.3 2.0 0.9	4.5 4.2 3.5 10.6 8.3 8.0 3.5 1.1 76.7 FOR TOI 10.4 9.5 4.9 4.1 2.1 1.2	8-2 9-0 18-1 28-3 29-4 23-0 11-6 4-3 2-6 169-2 20 21-7 14-0 8-2 9-9 10-4 14-3 32-6 36-6 15-5 7-4 2-5	11-6 21-2 44-8 83-2 129-1 114-5 62-9 21-1 4-6 0-2 547-3 30 63-1 17-2 8-5 13-5 28-5 52-0 94-6 112-3 101-1 53-9 21-9	21.8 19-1 32.8 48.9 77.8 65.4 37.3 9.5 0.4 0.0 407.5 EED 8Y 1 40 50.2 30.5 9.7 21.4 22.9 31.6 92.0 88.3 53.7 14.4	10.7 19.3 16.4 10.7 8.6 7.8 9.8 5.2 0.4 155.7 4EIGHT 50 16.6 17.4 17.6 17.4 17.6 16.1	1.5 1.5 1.8 1.3 0.2 26.3 23000, 60 5.9 1.0 1.2 0.3 0.4 0.9 0.5	10.4 BY AL 70 1.8	TITUDE	2000		110		85.2 123.8 193.9 264.5 227.7 135.4 48.6 10.0 0.3 1489.4 SUM 173.9 106.6 52.4 67.2 85.2 123.9 264.5 227.7 135.6
70 75 80 90 95 100 115 125 120 5 40 65 70 75 80 85 90 90 100 115	6.0 10.8 7.1 10.5 7.6 8.5 5.8 5.1 0.9 91.3 MINUTES LESS 4.3 2.5 2.3 2.8 2.0 0.9 0.7	4.5 4.2 3.5 10.6 8.3 8.0 3.5 1.1 76.7 FOR TOI 10.4 9.5 4.9 4.1 2.1 1.2	8-2 9-0 18-1 28-3 29-4 23-0 11-6 4-3 2-6 169-2 20 21-7 14-0 8-2 9-9 10-4 14-3 32-6 36-6 15-5 7-4 2-5	11.6 21.2 44.4 83.2 129.1 114.5 62.9 21.1 4.6 0.2 547.3 30 63.1 17.2 8.5 52.0 96.6 112.3 101.1 53.9 21.9	21.8 19.1 32.8 48.9 77.8 65.4 37.3 9.5 0.4 0.0 407.5 EED BY 1 40 50.2 30.5 9.7 21.4 43.6 92.0 88.3 53.7 14.4 2.3	10.7 19.3 16.4 10.7 8.6 7.8 9.8 5.2 0.4 155.7 4EIGHT 50 16.6 17.4 17.6 17.4 17.6 16.1	1.5 1.5 1.8 1.3 0.2 26.3 23000, 60 5.9 1.0 1.2 0.3 0.4 0.9 0.5	10.4 BY AL 70 1.8	TITUDE	2000		110		85.2 123.8 193.9 264.5 227.7 135.4 48.6 10.0 0.3 1489.4 SUM 173.9 106.6 52.4 85.2 123.8 193.9 264.5 227.7 135.4 48.6
70 75 83 90 105 110 5 UM LESS 40 65 70 75 80 85 95 100	6.0 10.8 7.1 10.5 7.6 8.5 5.8 5.1 0.9 91.3 MINUTES LESS 4.3 8.6 2.5 2.2 2.3 2.5 2.3 2.5 0.9	4.5 4.2 3.5 10.5 10.6 8.3 8.0 3.5 1.1 76.7 FOR TOI 10.4 9.5 6.9 7.1 9.5 4.3 2.1 1.2	8-2 9-0 18-1 28-3 29-4 23-0 11-6 4-3 2-6 169-2 20 21-7 14-0 8-2 9-9 10-4 14-3 36-6 15-5 7-4 2-5	11.6 21.2 44.4 83.2 129.1 114.5 62.9 21.1 4.6 0.2 547.3 30 63.1 17.2 8.5 52.0 96.6 112.3 101.1 53.9 21.9	21.8 19.1 32.8 48.9 77.8 65.4 37.3 9.5 0.4 0.0 407.5 EED BY 1 40 50.2 30.5 9.7 21.4 43.6 92.0 88.3 53.7 14.4 2.3	10-7 19-3 16-4 10-7 8-6 7-8 9-8 5-2 0-4 155-7 4EIGHT 50 11-5 17-5 13-6 11-5 11-6 17-6 7-9 0-6	1.5 1.5 1.8 1.3 0.2 26.3 23000, 60 5.9 1.0 1.2 0.3 0.4 0.9 0.5	10.4 BY AL 70 1.8	TITUDE	2000		110	120	85.2 123.8 193.9 264.5 227.7 135.4 48.6 10.0 0.3 1489.4 SUM 173.9 106.6 52.4 85.2 123.8 19264.5 227.7 135.4 48.6

				TAB	LE X	LIII	- Con	tinue	i					
	HINUTES	FOR TOP	QUEL VS	AIRSPI	EED 8Y 1	EI GHT	23000,	BY AL	LTITUDE	5000				
	LESS	10	20	30	40	50	60	70	80	90	100	110	120	SUM
LESS 40			0.7	0.4	0.2	1.3								0.2 4.2
60	0.4		0.4	0.4	1.3	0.0								2.2
65	0.4		0.9	2.2	2.1	0.5	0.2							6.3
70	0.5		1.6	3.9	2.4	1.2	0.1							9.3
75 80	0.2	0.9	3.7 9.5	23.6 49.5	9.2	1.7 2.1			•					36.7 71.3
85	0.7	0.6	6.7	83.7	13.1	2.5								107.1
90	0.5	0.4	9.9	82.7	27.9	1.6								123.0
100	0.4	0.4	4.2 2.3	25.3 9.4	27.8 7.0	1.0								59.5 20.4
105	0.4	0.5	0.1	0.9	3.8	1.2								5.3
110					2.4									2.4
115														
120 SUM	3.0	3.7	40.0	281.6	105-4	14-0	0.3							447.8
••					•	• • • •								
H			QUE2 VS	AIRSPE	ED BY W	EIGHT	23000,	BY AL	TITUDE	5000				
LESS	LESS	10	20	30	40	50	60	70	80	90	100	110	120	SUM
40				0.8	2.5	0.4	0.5							4.2
60			0.4	0.5	0.5	0.7	• • •							2.2
65 70			1.3	2.2	2.1	1.7			11.					6.3
75			4.0	3.7 16.0	2.7 12.6	1.4		0.4	0.1					9.3
.0	0.5		10.8	31.0	24.2	3.0	0.1	0.8						36.7 71.3
85 90		0.4	3.9	75.3	21.8	3.9	0.4	1.4						107.1
95			0.2 4.1	67.4	37.3 19.0	13.7	1.0 3.2	0.5						123.0
100			1.0	7.2	7.7	3.6	0.9							59.5 20.4
105			0.2	0.8	2.5	1.7	0.0							5.3
110 115					2.4									2.4
120														
SUM	0.5	0.4	34.3	227.2	135.5	40.3	6.2	3.1	0.4					447.0
,	HINUTES	FOR TOR	QUEL VS	AIRSPE	ED BY		23000,		TITUDE	SUM				
		10	20	30	86.8	50	60.	70	80	90 2.8	100	110	120	SUM 268.0
	LESS					42-0	11.9	6.7	3.0	4.0	0.1			144.3
LESS	12.1	17.6	30.3	54.3 17.9		24-5	7.7	4.9	0.8					
LESS 40 60				17.9	35.4 13.2	26.5 14.6	7.7 3.9	4.9	0.8					63.7
40 60 65	12.1 23.6 9.1 8.2	17.8 11.7 5.0 5.3	30.3 15.8 6.0 10.1	17.9 11.7 16.5	35.4 13.2 25.5	14.6	3.9 4.1		0.8					63.7
40 60 65 70	12.1 23.6 9.1 8.2 11.5	17.8 11.7 5.0 5.3 5.5	30.3 15.8 6.0 10.1 11.3	17.9 11.7 16.5 28.5	35.4 13.2 25.5 24.8	14.6 12.1 21.6	3.9 4.1 1.6	0.2	0.8					63.7 82.2 104.8
40 60 65	12.1 23.6 9.1 8.2	17.8 11.7 5.0 5.3	30.3 15.8 6.0 10.1	17.9 11.7 16.5	35.4 13.2 25.5	14.6	3.9 4.1	0.2	0.8					63.7
40 60 65 70 75 80	12.1 23.6 9.1 8.2 11.5 9.1 11.4	17.8 11.7 5.0 5.3 5.5 4.6 12.0	30.3 15.8 6.0 10.1 11.3 23.4 40.3 37.1	17.9 11.7 16.5 28.5 71.5 137.9 214.8	35.4 13.2 25.5 24.8 41.6 60.1 91.7	14.6 12.1 21.6 19.4 13.2 11.7	3.9 4.1 1.6 1.5 1.8	0.2	0.8					63.7 82.2 104.8 171.3 276.7 377.7
40 60 65 70 75 80 85 90	12.1 23.6 9.1 8.2 11.5 9.1 11.4	17.8 11.7 5.0 5.3 5.5 4.6 12.0 11.6 9.1	30.3 15.8 6.0 10.1 11.3 23.4 40.3 37.1	17.9 11.7 16.5 28.5 71.5 137.9 214.8	35.4 13.2 25.5 24.8 41.6 60.1 91.7 95.8	14.6 12.1 21.6 19.4 13.2 11.7	3.9 4.1 1.6 1.5	0.2	0.8					63.7 82.2 104.8 171.3 276.7 377.7 356.4
40 60 65 70 75 80 85 90	12.1 23.6 9.1 8.2 11.5 9.1 11.4 9.6	17.8 11.7 5.0 5.3 5.5 4.6 12.0 11.6 9.1	30.3 15.8 6.0 10.1 11.3 23.4 40.3 37.1 33.6	17.9 11.7 16.5 28.5 71.5 137.9 214.8 198.6 91.2	35.4 13.2 25.5 24.8 41.6 60.1 91.7 95.8 65.4	14.6 12.1 21.6 19.4 13.2 11.7 9.4	3.9 4.1 1.6 1.5 1.8	0.2	0.8					63.7 82.2 104.8 171.3 276.7 377.7
40 60 65 70 75 80 85 90	12.1 23.6 9.1 8.2 11.5 9.1 11.4	17.8 11.7 5.0 5.3 5.5 4.6 12.0 11.6 9.1	30.3 15.8 6.0 10.1 11.3 23.4 40.3 37.1	17.9 11.7 16.5 28.5 71.5 137.9 214.8	35.4 13.2 25.5 24.6 41.6 60.1 91.7 95.8 4.6 16.5	14.6 12.1 21.6 19.4 13.2 11.7	3.9 4.1 1.6 1.5 1.8	0.2	<b>0.8</b>					63.7 82.2 104.8 171.3 276.7 377.7 356.4 199.0 69.0 15.3
40 60 65 70 75 80 85 90 95 100 105	12-1 23-6 9-1 8-2 11-5 9-1 11-4 9-6 6-0 5-5	17.8 11.7 5.0 5.3 5.5 4.6 12.0 11.6 9.1	30.3 15.8 6.0 10.1 11.3 23.4 40.3 37.1 33.6 16.1 6.5	17.9 11.7 16.5 28.5 71.5 137.9 214.8 198.6 91.2 30.6	35.4 13.2 25.5 24.6 41.6 60.1 91.7 95.8 65.4	14.6 12.1 21.6 19.4 13.2 11.7 9.4 11.6	3.9 4.1 1.6 1.5 1.8	0.2	0.8					63.7 82.2 104.8 171.3 276.7 377.7 356.4 199.0
40 60 65 70 75 80 85 90 100 105 110	12-1 23-6 9-1 8-2 11-5 9-1 11-4 9-6 6-0 5-5	17.8 11.7 5.0 5.3 5.5 4.6 12.0 11.6 9.1	30.3 15.8 6.0 10.1 11.3 23.4 40.3 37.1 33.6 16.1 6.5	17.9 11.7 16.5 28.5 71.5 137.9 214.8 198.6 91.2 30.6 5.5	35.4 13.2 25.5 24.6 41.6 60.1 91.7 95.8 4.6 16.5	14.6 12.1 21.6 19.4 13.2 11.7 9.4 11.6	3.9 4.1 1.6 1.5 1.8	0.2	0.4					63.7 82.2 104.8 171.3 276.7 377.7 356.4 199.0 69.0 15.3
40 60 65 70 75 80 85 90 95 100 105	12-1 23-6 9-1 8-2 11-5 9-1 11-4 9-6 6-0 5-5 0-9	17.8 11.7 5.0 5.3 5.5 4.6 12.0 11.6	30.3 15.8 6.0 10.1 11.3 23.4 40.3 37.1 33.6 16.1 6.5 2.7	17.9 11-7 14-5 28-5 137-9 214-8 198-8 91-2 30-6 5-5 0-2	35.4 13.2 25.5 24.6 41.6 60.1 91.7 95.8 4.6 16.5	14.6 12.1 21.6 19.4 13.2 11.7 9.4 11.6 6.4	3.9 4.1 1.4 1.5 1.8 1.3	0.2	3.8	2.8	0.1			63.7 82.2 104.8 171.3 276.7 377.7 356.4 199.0 69.0 15.3
40 60 63 70 75 80 85 90 95 100 105 110 115 120 SUM	12.1 23.6 9.1 8.2 11.5 9.1 11.4 9.6 6.0 5.5 0.9	17.8 11.7 5.0 5.3 5.5 4.6 12.0 11.6 9.1 8.8 3.6	30.3 15.8 6.0 10.1 11.3 23.4 40.3 37.1 33.6 16.1 6.5 2.7	17.9 11.7 16.5 28.5 71.5 137.9 214.8 198.8 91.2 30.6 5.5 0.2	35.4 13.2 25.5 24.8 40.1 91.7 95.8 65.4 16.5 4.2	14.6 12.1 21.6 19.4 13.2 11.7 9.4 11.6 6.4 0.4	3.9 4.1 1.6 1.5 1.8 1.3 0.2	12-2			0.1			63.7 82.2 104.8 171.3 276.7 377.7 356.4 199.0 69.0 15.3 2.7
40 60 65 70 75 80 85 100 105 115 120 SUM	12.1 23.6 9.1 8.2 11.5 9.1 11.4 9.6 6.0 5.5 0.9	17.8 11.7 5.0 5.3 5.5 4.6 12.0 11.6 9.1 8.8 3.6	30.3 15.8 6.0 10.1 11.3 23.4 40.3 37.1 33.6 16.1 6.5 2.7	17.9 11.7 16.5 28.5 71.5 137.9 214.8 198.6 91.2 30.6 679.2 AIRSPE	35.4 13.2 25.5 24.8 41.8 60.1 91.7 95.8 45.4 16.5 4.2 2.4	14.6 12.1 21.6 19.4 13.2 11.7 9.4 11.6 6.4 0.4	3.9 4.1 1.6 1.5 1.8 1.3 0.2	12-2	3.6	2.8	0.1	110	120	63.7 82.2 104.8 171.3 276.7 377.7 356.4 199.0 69.0 15.3 2.7
40 60 65 70 75 80 85 90 95 109 110 115 120 SUM	12.1 23.6 9.1 10.5 9.1 11.4 9.6 6.0 5.5 0.9	17.8 11.7 5.0 5.3 5.5 4.6 12.0 11.6 9.1 6.8 3.6 1.6	30.3 15.8 6.0 10.1 11.3 22.4 40.3 37.1 33.6 16.1 6.5 2.7 233.3 QUEZ VS	17.9 11.7 16.5 28.5 71.5 137.9 214.8 198.8 91.2 30.6 679.2 AIRSPE	35.4 13.2 25.5 24.8 41.8 60.1 91.7 95.8 65.4 16.5 4.2 2.4	14.6 12.1 21.6 19.4 13.2 11.7 9.4 11.6 6.4 0.4	34-0 23000.	0.2 0.4	3.8 .TITUOE	2.8 SUM		110	120	63.7 82.2 104.8 171.3 276.7 377.7 356.4 199.0 69.0 15.3 2.7 2131.0
40 60 65 70 75 80 95 100 105 110 115 120 SUM	12.1 23.6 9.1 10.5 9.1 11.4 9.6 9.6 6.0 5.5 0.9	17.8 11.7 5.0 5.3 5.5 6.12.0 11.6 9.1 8.8 3.6 1.6	30.3 15.8 6.0 10.1 11.3 23.4 40.3 37.1 33.6 14.1 6.5 2.7 233.3	17.9 11.7 16.5 28.5 71.5 137.9 214.8 91.2 30.6 5.5 0.2 AIRSPE	35.4 13.2 25.5 24.8 41.8 60.1 91.7 95.8 65.4 16.5 4.2 2.4 563.7 ED BY W	14.6 12.1 21.6 19.4 13.2 11.7 9.4 11.6 6.4 0.4	34.0 23000. 60 8.8 8.8	12.2 BY AL	3.8 .TITUOE	2.8 SUM		110	120	63.7 82.2 104.8 171.3 276.7 377.7 356.4 199.0 69.0 15.3 2.7 2131.0
40 60 65 70 75 80 85 90 95 100 105 110 120 SUM	12.1 23.6 9.1 10.5 9.6 6.0 9.6 6.0 9.6 4.0 116.5 4.0 4.0 2.5	17.8 11.7 5.0 5.3 5.5 4.6 12.0 11.6 9.1 8.3 3.6 1.6	30.3 15.8 6.0 10.1 11.3 23.4 40.3 37.1 33.6 16.1 6.5 2.7 233.3 QUE2 VS	17.9 11.7 16.5 28.5 71.5 137.9 214.8 91.2 30.6 5.5 0.2 AIRSPE 30 96.8 25.8 10.8	35.4 13.2 25.5 24.8 41.8 60.1 91.7 95.8 65.4 16.5 4.2 2.4 563.7 ED BY W 83.1 39.4 12.1	14.6 12.1 21.6 19.4 13.2 11.7 9.4 11.6 6.4 0.4 188.9 EIGHT 50 25.5 20.9 16.7	34.0 23000. 60 8.8 1.0	0.2 0.4	3.8 .TITUOE	2.8 SUM		110	120	63.7 82.2 104.8 171.3 276.7 377.7 356.4 199.0 69.0 15.3 2.7 2131.0
40 60 65 70 75 80 80 90 95 100 105 110 115 120 SUM	12.1 23.6 9.1 10.5 9.1 10.6 9.6 6.0 5.5 0.9 116.5 4.8 9.4 2.5 2.4	17.8 11.7 5.0 5.3 5.5 4.6 12.0 11.6 9.1 8.8 3.6 1.6 1.6	30.3 15.8 6.0 10.1 11.3 23.4 40.3 37.1 33.6 16.1 6.5 2.7 233.3 QUE2 VS	17.9 11.7 16.5 28.5 71.5 137.9 214.8 198.8 91.2 30.6 5.5 0.2 AIRSPE 30 96.8 25.8 10.8 10.8	35.4 13.2 25.5 24.8 41.8 60.1 91.7 95.8 65.4 16.5 2.4 563.7 ED BY W 40 83.1 39.4 12.1 24.3	14.6 12.1 21.6 19.4 13.2 11.7 9.4 11.6 6.4 0.4 188.9 EIGHT 50 25.5 20.9 16.7 13.1	34.0 23000, 60 8.8 6.8 1.0 3.3	0.2 0.4 12.2 BY AL 70 2.7 2.2	3.8 .TITUDE 80	2.8 SUM		110	120	63.7 82.2 104.8 171.3 276.7 377.7 356.4 199.0 69.0 15.3 2.7 2131.0
40 60 65 70 75 80 95 100 105 110 115 120 SUM	12.1 23.6 9.1 10.5 9.6 9.6 6.5 0.9 116.5 4INUTES 4.8 9.6 4.8 2.5 2.4 2.5 2.4	17.8 11.7 5.0 5.3 5.5 4.6 12.0 11.6 9.1 8.8 3.6 1.4 96.5 FOR TOR 10 13.3 15.0 7.5 7.4 9.7.0	30.3 15.8 6.0 10.1 11.3 23.4 40.3 37.1 33.6 16.1 6.5 2.7 233.3 QUE2 VS 20 33.0 24.8 13.2 12.9 14.4 22.0	17.9 11.7 16.5 28.5 71.5 137.9 214.8 91.2 30.6 5.5 0.2 AIRSPE 30.6 19.8 19.8 19.8 19.8 19.8	35.4 13.2 25.5 24.8 60.1 91.7 95.8 65.4 16.5 4.2 2.4 563.7 ED BY W	14.6 12.1 21.6 19.4 13.2 11.7 9.4 11.6 6.4 0.4 188.9 EIGHT 50 25.5 20.9 16.7 13.8 13.8	34-0 23000- 40 6.8 6.8 1.0 1.3 0.2	0.2 0.4 12.2 BY AL 70 2.7 2.2	3.8 TITUOE 80	2.8 SUM		110	120	63.7 82.2 104.8 171.3 276.7 377.7 356.4 199.0 69.0 15.3 2.7 2131.0 SUP. 268.0 144.3 63.7 82.2 104.8 171.3
40 60 60 70 75 80 80 90 91 100 110 110 120 SUM	12.1 23.6 9.1 8.2 11.5 9.6 6.05 0.9 116.5 4.8 9.4 2.3 2.4 2.3	17.8 11.7 5.0 5.3 5.5 4.6 12.0 11.6 9.1 8.8 8.3 1.6 1.6 1.6 1.3 15.0 7.5 7.4 9.9	30.3 15.8 6.0 10.1 11.3 23.4 40.3 37.1 33.6 16.1 6.5 2.7 233.3 QUEZ VS 20 33.0 24.8 13.2 12.9 14.4 22.0 46.6	17.9 11.7 16.5 28.5 71.5 137.9 214.8 198.6 91.2 30.6 5.5 0.2 479.2 AIRSPE 30 96.8 25.8 19.6 38.4 74.0 135.6	35.4 13.2 25.5 24.8 41.8 60.1 91.7 95.8 45.5 4.2 2.4 563.7 ED BY W 40 83.1 39.4 124.8 24.3 45.6 46.2	14.6 12.1 21.6 19.4 13.2 11.7 9.4 11.6 6.4 0.4 188.9 EIGHT 50 25.5 20.9 16.7 13.8 13.1 18.9	34.0 23000. 60 8.8 1.3 0.3 0.3	0.2 0.4 12.2 BY AL 70 2.7 2.2	3.8 .TITUDE 80	2.8 SUM		110	120	63.7 82.2 104.8 171.3 276.7 377.7 356.4 199.0 69.0 15.3 2.7 2131.0 SUA 268.6 144.3 63.7 82.2 104.8 171.3 276.7
40 60 65 70 75 80 95 100 105 110 115 120 SUM	12.1 23.6 9.1 10.5 9.6 9.6 6.5 0.9 116.5 4INUTES 4.8 9.6 4.8 2.5 2.4 2.5 2.4	17.8 11.7 5.0 5.3 5.5 4.6 12.0 11.6 9.1 8.8 3.6 1.4 96.5 FOR TOR 10 13.3 15.0 7.5 7.4 9.7.0	30.3 15.8 6.0 10.1 11.3 23.4 40.3 37.1 33.6 16.1 6.5 2.7 233.3 QUE2 VS 20 33.0 24.8 13.2 12.9 14.4 22.0	17.9 11.7 16.5 28.5 71.5 137.9 214.8 91.2 30.6 5.5 0.2 AIRSPE 30.6 19.8 19.8 19.8 19.8 19.8	35.4 13.2 25.5 24.8 60.1 91.7 95.8 65.4 16.5 4.2 2.4 563.7 ED BY W	14.6 12.1 21.6 19.4 13.2 11.7 9.4 11.6 6.4 0.4 188.9 EIGHT 50 25.5 20.9 16.7 13.8 13.8	34-0 23000- 40 6.8 6.8 1.0 1.3 0.2	0.2 0.4 12.2 BY AL 70 2.7 2.2	3.8 .TITUDE 80	2.8 SUM		110	120	63.7 82.2 104.8 171.3 276.7 377.7 356.4 199.0 69.0 15.3 2.7 2131.0 SUP. 268.0 144.3 63.7 82.2 104.8 171.3
40 60 60 75 80 90 95 100 105 110 120 SUM LESS 40 60 65 70 75 80 85 90	12.1 23.6 9.1 1.5 9.6 6.0 9.6 6.5 0.9 116.5 4.8 9.6 4.8 9.6 2.5 2.4 2.3 2.4 2.3 2.6 2.9	17.8 11.7 5.3 5.3 5.5 4.6 12.0 11.6 9.1 83.6 1.6 10 13.3 15.0 7.5 7.4 9.7 7.0 4.7 5.6 2.1	30.3 15.8 6.0 10.1 11.3 23.4 40.3 37.1 33.6 16.1 6.5 2.7 233.3 20 24.8 22.9 14.4 22.0 46.6 41.3 24.6	17.9 11.7 16.5 28.5 71.5 137.9 214.8 198.8 91.2 30.0 679.2 AIRSPE 30 96.8 25.8 19.6 30.4 74.0 135.6 191.3 171.9 76.7	35.4 13.2 25.5 24.8 41.8 60.1 91.7 95.8 45.4 16.5 4.2 2.4 563.7 ED BY W 40 83.1 39.4 124.8 24.8 24.8 24.3 45.6 68.2 113.8 126.7	14.6 12.1 21.6 19.4 13.2 11.7 9.4 11.6 6.4 0.4 188.9 EIGHT 50 25.5 20.9 16.7 13.8 13.1 18.9	34.0 23000. 60 8.8 4.8 1.0 1.3 0.4 1.0 0.9 1.3	0.2 0.4 12.2 8Y AL 70 2.7 2.2	3.8 .TITUDE 80	2.8 SUM		110	120	63.7 82.2 104.8 171.3 276.7 377.7 356.4 199.0 69.0 15.3 2.7 2131.0 \$UA 268.6 144.3 63.7 82.2 104.8 171.3 276.7 376.7 376.7
40 60 65 70 75 80 80 90 93 109 110 115 125 120 80 60 65 70 75 80 85 90 90 90 90 90 90 90 90 90 90 90 90 90	12.1 23.6 9.1 10.5 9.6 6.0 9.6 6.0 9.6 4.0 9.6 4.0 9.4 2.3 2.4 2.3 2.6 2.9 9.7	17.8 11.7 5.0 5.3 5.5 4.6 12.0 11.6 9.1 8.8 3.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1	30.3 15.8 6.0 10.1 11.3 23.4 40.3 37.1 33.6 16.1 22.7 233.3 9UE2 VS 20 33.0 24.8 13.2 12.9 14.4 22.0 46.6 41.3 24.6 11.3	17.9 11.7 16.5 28.5 71.5 137.9 214.8 198.8 91.2 30.6 5.5 0.2 479.2 418.8 19.6 30.4 74.0 135.6 191.3 171.9 76.7 29.1	35.4 13.2 25.5 24.8 41.8 60.1 91.7 95.8 65.4 165.5 4.2 2.4 563.7 ED BY W 40 83.1 39.4 124.8 24.3 45.6 68.2 113.8 124.9 73.1	14.6 12.1 21.6 19.4 13.2 11.7 9.4 11.6 6.4 0.4 188.9 188.9 181.9 16.7 20.9 16.7 13.1 13.1 18.9 16.7 27.1 31.3 11.5	34.0 23000. 60 8.8 6.8 1.3 0.3 0.4 1.0 0.9 1.3 3.9 1.0	0.2 0.4 12.2 8Y AL 70 2.7 2.2	3.8 .TITUDE 80	2.8 SUM		110	120	63.7 82.2 104.8 171.3 276.7 377.7 356.4 199.0 69.0 15.3 2.7 2131.0 \$UP 268.6 144.3 63.7 82.2 104.8 171.3 276.7 377.7 356.4 199.0 69.0
40 60 60 75 80 90 95 100 105 110 120 SUM LESS 40 60 65 70 75 80 85 90	12.1 23.6 9.1 1.5 9.6 6.0 9.6 6.5 0.9 116.5 4.8 9.6 4.8 9.6 2.5 2.4 2.3 2.4 2.3 2.6 2.9	17.8 11.7 5.3 5.3 5.5 4.6 12.0 11.6 9.1 83.6 1.6 10 13.3 15.0 7.5 7.4 9.7 7.0 4.7 5.6 2.1	30.3 15.8 6.0 10.1 11.3 23.4 40.3 37.1 33.6 16.1 6.5 2.7 233.3 20 24.8 22.9 14.4 22.0 46.6 41.3 24.6	17.9 11.7 16.5 28.5 71.5 137.9 214.8 198.8 91.2 30.6 5.5 0.2 AIRSPE 30.8 19.6 30.4 74.0 135.6 191.3 171.9 76.7 29.1	35.4 13.2 25.5 24.8 41.8 60.1 91.7 95.8 65.4 16.5 2.4 563.7 ED BY W 40 83.1 39.4 12.1 24.3 45.6 68.2 113.8 126.9 73.1 22.1	14.6 12.1 21.6 19.4 13.2 11.7 9.4 11.6 6.4 0.4 188.9 EIGHT 50 25.5 20.9 16.7 13.8 13.1 18.9	34.0 23000. 60 8.8 4.8 1.0 1.3 0.4 1.0 0.9 1.3	0.2 0.4 12.2 8Y AL 70 2.7 2.2	3.8 .TITUDE 80	2.8 SUM		110	120	63.7 82.2 104.8 171.3 276.7 377.7 356.4 199.0 69.0 15.3 2.7 2131.0 SUP 268.0 144.3 63.7 83.7 104.8 171.3 276.7 377.7 356.4 199.0 69.0 15.3
40 60 60 70 75 80 90 99 100 105 110 115 120 SUM 40 65 70 75 80 85 90 95 100 105 115 115 110 115 110 115 110 110	12.1 23.6 9.1 10.5 9.6 6.0 9.6 6.0 9.6 4.0 9.6 4.0 9.4 2.3 2.4 2.3 2.6 2.9 9.7	17.8 11.7 5.0 5.3 5.5 4.6 12.0 11.6 9.1 8.8 3.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1	30.3 15.8 6.0 10.1 11.3 23.4 40.3 37.1 33.6 16.1 22.7 233.3 9UE2 VS 20 33.0 24.8 13.2 12.9 14.4 22.0 46.6 41.3 24.6 11.3	17.9 11.7 16.5 28.5 71.5 137.9 214.8 198.8 91.2 30.6 5.5 0.2 479.2 418.8 19.6 30.4 74.0 135.6 191.3 171.9 76.7 29.1	35.4 13.2 25.5 24.8 41.8 60.1 91.7 95.8 65.4 165.5 4.2 2.4 563.7 ED BY W 40 83.1 39.4 124.8 24.3 45.6 68.2 113.8 124.9 73.1	14.6 12.1 21.6 19.4 13.2 11.7 9.4 11.6 6.4 0.4 188.9 188.9 181.9 16.7 20.9 16.7 13.1 18.9 16.7 27.1 31.3 11.5	34.0 23000. 60 8.8 6.8 1.3 0.3 0.4 1.0 0.9 1.3 3.9 1.0	0.2 0.4 12.2 8Y AL 70 2.7 2.2	3.8 .TITUDE 80	2.8 SUM		110	120	63.7 82.2 104.8 171.3 276.7 377.7 356.4 199.0 69.0 15.3 2.7 2131.0 \$UP 268.6 144.3 63.7 82.2 104.8 171.3 276.7 377.7 356.4 199.0 69.0
40 60 60 60 70 75 80 90 95 100 110 110 120 SUM 40 65 70 75 80 85 90 95 100 100 110	12.1 23.6 9.1 10.5 9.6 6.0 9.6 6.0 9.6 4.0 9.6 4.0 9.4 2.3 2.4 2.3 2.6 2.9 9.7	17.8 11.7 5.0 5.3 5.5 4.6 12.0 11.6 9.1 8.8 3.4 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6	30.3 15.8 6.0 10.1 11.3 23.4 40.3 37.1 33.6 16.5 2.7 233.3 QUE2 VS 20 33.0 24.8 13.2 12.9 14.4 22.0 46.6 41.3 24.6 11.8 3.6	17.9 11.7 16.5 28.5 71.5 137.9 214.8 198.8 91.2 30.6 5.5 0.2 AIRSPE 30.4 74.0 191.3 171.9 76.7 29-1 0.2	35.4 13.2 25.5 24.8 41.8 60.1 91.7 95.8 65.4 16.5 2.4 563.7 ED BY W 40 83.1 39.4 12.1 24.3 45.6 68.2 113.8 126.9 73.1 22.1	14.6 12.1 21.6 19.4 13.2 11.7 9.4 11.6 6.4 0.4 188.9 EIGHT 50 25.5 20.9 16.7 13.1 18.9 16.7 13.1 18.9 27.1 31.3 11.3	34.0 23000. 60 8.8 6.8 1.3 0.3 0.4 1.0 0.9 1.3 3.9 1.0	0.2 0.4 12.2 8Y AL 70 2.7 2.2	3.8 .TITUDE 80	2.8 SUM		110		63.7 82.2 104.8 171.3 276.7 377.7 356.4 199.0 69.0 15.3 2.7 2131.0 SUP 268.0 144.3 63.7 83.7 104.8 171.3 276.7 377.7 356.4 199.0 69.0 15.3

				TABI	LE X	LIII .	- Cont	inued	[					
	INUTES	OR TOR	QUEL VS	AIRSPE	ED BY W	EIGHT	25000,	BY AL	TITUDE	LESS				
LESS 40 60	0.1	10 0.2 0.6	20 0-6	30 2.2 0.2	40 10.5 0.3	50 6.8 0.2	1.8	70 1.0	80	90	100	110	120	SUM 23.0 1.4
65 70 75 80 85 90 95 100				0.2 0.3 0.1	1.3 0.8 0.1	0.2								0.2 1.6 1.1 0.2
110 115 120 SUM	0.1	0-8	0.6	3.0	12.9	7.2	1.6	1.0						27.4
•	INUTES	FOR TOR	QUE2 VS				25000,		TITUDE	LESS				
LESS 40	0.2 0.3	10	20 2.1 0.1	30 10.3 0.6	40 9.2 0.4	50 0.2	60	70 0.5	80	90	100	110	120	SUM 23.0 1.4
60 65 70 75 80 85 90			0.2 0.4	1-1 0-7 0-2	0.2									0.2 1.6 1.1 0.2
100 105 110 115 120 SUM	0.5	0.5	2.8	12.8	10.1	0.2		0.5						27.4
-	INUTES						25000,		TITUDE	1000				
LESS 40 60 65 70 75 80 85 90 95 100 105 110	LESS 4.6 8.5 3.3 1.3 1.0 0.4 0.1	10 7.4 4.1 0.6 1.1 . 1.6 1.8 0.2 0.5 0.6	20 11.8 2.6 2.5 1.7 3.1 1.0 0.9 0.3 0.7 1.2	30 32.8 1.7 0.3 1.6 2.3 2.7 2.3 1.5 0.6	40 38.7 7.8 2.3 2.1 0.6 0.6 0.5 0.1	50 22-2 2-4 0-2 1-4 0-2 0-3 0-5 0-8	60 2.8 1.4 0.3 0.3	70 1.7	80 0.4	90	100	110	120	SUM 122-5 28-5 9-5 9-5 8-8 6-7 4-5 4-0 2-1 1-9
115 120 SUM	19.7	18.0	25.8	45.9	53.3	28.3	4.7	1.7	0.4					197.9
	MINUTES								LTITUDE	1000				• • • • • • • • • • • • • • • • • • • •
		10	20	30	40	50		70	80	90	100	110	120	
LESS 40 60 65 70 75 80 85 90 95 100	1.1	3.4 4.0 1.3 0.9 0.6 0.1 0.1 0.4 0.2	18.3 7-6 2.2 2.9 3.8 2.4 1.0	41.3 8.5 4.0 2.5 3.4 3.0 2.9 3.0	40.7	15.3 2.4 0.6 1.5 0.1 0.3 0.4 0.1	0.1	0.3	0.1					122.5 28.5 9.5 9.5 8.8 6.7 4.5 4.0 2.1

TABLE XLIII - Continued

	MI NUTES	FOR TOP	QUEL VS	AIRSP	EED BY	EIGHT	25000,	BY AL	TITUDE	2000				
	LESS	10	20	30	40	50	60	70	80	90	100	110	120	SUM
LESS		9.4	17.1	66.1	86.4	37.1	15.0	6.0	4.6	0.2	0.1			249.4
40		9.6	14.4	18.5	26.8	28.0	13.7	1.9						128.5
60		2.0	9.9	11.2	13.3	14.2	5.8	1.3						65.0
65	5.9	4.1	7.9	17.9	25.4	19.1	4-1	0.9						85.2
70		4.1	16.3	20.4	28.9	25.9	2.4	0.7	C.3					105.8
75		11.6	29.4	67.0	51.9	24.4	1.4	0.6	0.3					194.8
80		11.3	34.8	133.9	61.2	9.6	0.8	0.1	0.2					263.4
83		7.4	37.6	174.5	85.1	7.1	1.7	0.0	C.2					318.9
90		4.5	25.8	136.7	78.8	9.5	0.7	0.2						262-1
95		3.5	13.8	62.5	57.1	7.7	0.4							148.5
100		2.6	6.6	29.7	27.5	4.4	0.2							72.7 10.9
105	0.5	0.1	3.1	4.2	2.4	0.3	0.3							0.3
110 115	0.2			0.1	0.0									0.5
120														
SUM	78.9	70.2	216.5	763.0	544.8	187.2	47.4	11.6	5.3	0.2	0.1			1905.6
3011	1017			1 - 3 - 0	,,,,,,		****							• • • • • • • • • • • • • • • • • • • •
ı	MINUTES	FOR TOR	QUE2 VS	AIRSPE	ED 84 W	EIGHT	25000,	BY AL	TITUDE	2000				
										13.0				
	LESS	10	20	30	40	50	60	70	60	90	100	110	120	SUM
LESS	4.2	6.7	24.4	84.7	86.1	27.8	10.7	1.4	3.1	0.3				249.4
40	8.2	6.9	18.2	24.7	36.5	23.5	7.5	2.5	0.2	0.1				128.5
60		4.5	6.6	16.2	15.3	9.9	7.4	2.0	C.7	0.2				65.0
65	2.5	4.9	10.4	15.7	26.8	15.4	7.8	0.6	1.2					85.2 105.8
70	3.0	5.8 4.9	11.6	27.3 69.3	31.0 57.4	22.9	4.0	0.1	0.1					194.8
75 80	2.1 2.8	5.2	34.7	129.4	71.2	9.7	3.0							263.4
85	2.0	5.8	33.4	153.7	111.3	11.3	1.3							316.9
90	1.9	4.0	21.7	117.1	108.0	7.6	1.5							262.1
95	1.6	3.2	12.6	52.0	59.5	13.4	5.8							148.5
100	0.2	1.1	4.9	21.6	26.6	14.9	3.4							72.7
105	***	0.2	1.2	3.1	5.6	0.8	•••							10.9
110		•••	•••	0.3	0.0					1,7				0.3
115											•			
120														
SUM	31.1	53.1	222.2	715.1	635.3	179.4	56.8	6.6	5.3	0.6				1905.6
	AT MILITER	500 TOB	OUES VE			£ 1 61.17	25000	- A A A A						
•	INUTES	FOR TOR	QUE1 VS	AIRSPE	ED BY W	EIGHT	25000,	BY AL	TITUDE	5000				
•											100	110	120	ELLM
	INUTES LESS	10	20	30	40	50	25000 <b>,</b>	BY AL	# 1 <b>T</b> U D E <b>8</b> O	5000 90	100	110	120	\$UM
LESS 40				30 1.6	40	50 4.4	60				100	110	120	11.0
LESS	LESS	10	20 0.6	30	40	50	60 2.0	70			100	110	120	11.0
LESS 40		10 0-1	20 0.6 1.6	30 1.6 0.8	40 4.4 2.2	50 4.4 3.9	60				100	110	120	11.0 10.5 5.5
LESS 40 60 65 70	0.3	10 0-1 0-9 0-6	20 0.6 1.6 0.5 0.2	30 1.6 0.8 0.5 7.7 13.9	40 4.4 2.2 1.8	50 4.4 3.9 1.5	2.0 0.2	70			100	110	120	11.0
LESS 40 60 65 70 75	0.3 0.1	10 0-1 0-9 0-6	20 0.6 1.6 0.5 0.2 1.4 4.1	30 1.6 0.8 0.5 7.7 13.9 32.9	40 4.4 2.2 1.8 5.6 11.9	50 4.4 3.9 1.5 1.7	2.0 0.2 0.5 0.1	70			100	110	120	11.0 10.5 5.5 16.4
LESS 40 60 65 70 75	0.3 0.1 0.1	10 0-1 0.9 0.6	20 0.6 1.6 0.5 0.2 1.4 4.1 3.0	30 1.6 0.8 0.5 7.7 13.9 32.9 65.7	40 4.4 2.2 1.8 5.6 11.9 11.9 28.2	50 4.4 3.9 1.5 1.7 1.9 0.3	2.0 0.2 0.5	70			100	110	120	11.0 10.5 5.5 16.4 29.2
LESS 40 60 65 70 75 80 85	0.3 0.1 0.1 0.8	10 0-1 0.9 0.6 1.1 0.9 1.8	20 0.6 1.6 0.5 0.2 1.4 4.1 3.0	30 1.6 0.8 0.5 7.7 13.9 32.9 65.7	40 4.4 2.2 1.8 5.6 11.9 11.9 28.2 29.1	50 4.4 3.9 1.5 1.7 1.9 0.3 1.4	2.0 0.2 0.5 0.1	70			100	110	120	11.0 10.5 5.5 16.4 29.2 50.4
LESS 40 60 65 70 75 80 85 90	0.3 0.1 0.1 0.6 0.7	10 0-1 0.9 0.6 1.1 0.9 1.8 1.5	20 0.6 1.6 0.5 0.2 1.4 4.1 3.0 10.4 6.3	30 1.6 0.8 0.5 7.7 13.9 32.9 65.7 79.6 68.5	40 4.4 2.2 1.8 5.6 11.9 28.2 29.1 49.2	50 4.4 3.9 1.5 1.7 1.9 0.3 1.4 1.9	2.0 0.2 0.5 0.1	70			100	110	120	11.0 10.5 5.5 16.4 29.2 50.4 99.4 123.6 126.7
LESS 40 60 65 70 75 80 85 90	0.3 0.1 0.1 0.8	10 0-1 0.9 0.6 1.1 0.9 1.8 1.5	20 0.6 1.6 0.5 0.2 1.4 4.1 3.0 10.4 6.3 2.4	30 1.6 0.8 0.5 7.7 13.9 32.9 65.7 79.6 68.5 34.6	40 4.4 2.2 1.8 5.6 11.9 28-2 29-1 49-2 34-1	50 4.4 3.9 1.5 1.7 1.9 0.3 1.4 1.9	2.0 0.2 0.5 0.1	70			100	110	120	11.0 10.5 5.5 16.4 29.2 50.4 99.4 123.6 126.7 94.8
LESS 40 60 65 70 75 80 85 90 95	0.3 0.1 0.1 0.6 0.7	10 0-1 0.9 0.6 1.1 0.9 1.8 1.5	20 0.6 1.6 0.5 0.2 1.4 4.1 3.0 10.4 6.3 2.4 2.5	30 1.6 0.8 0.5 7.7 13.9 32.9 65.7 79.6 68.5 34.8	40 4.4 2.2 1.8 5.6 11.9 11.9 28.2 29.1 49.2 34.1 14.7	50 4.4 3.9 1.5 1.7 1.9 0.3 1.4 1.9	2.0 0.2 0.5 0.1	70			100	110	120	11.0 10.5 5.5 16.4 29.2 50.4 99.4 123.6 126.7 94.8 23.2
LESS 40 60 65 70 75 80 85 90 95 100	0.3 0.1 0.1 0.6 0.7	10 0-1 0.9 0.6 1.1 0.9 1.8 1.5	20 0.6 1.6 0.5 0.2 1.4 4.1 3.0 10.4 6.3 2.4	30 1.6 0.8 0.5 7.7 13.9 32.9 65.7 79.6 68.5 34.6	40 4.4 2.2 1.8 5.6 11.9 28-2 29-1 49-2 34-1	50 4.4 3.9 1.5 1.7 1.9 0.3 1.4 1.9	2.0 0.2 0.5 0.1	70			100	110	120	11.0 10.5 5.5 16.4 29.2 50.4 99.4 123.6 126.7 94.8
LESS 40 60 65 70 75 80 95 100 105 110	0.3 0.1 0.1 0.6 0.7	10 0-1 0.9 0.6 1.1 0.9 1.8 1.5	20 0.6 1.6 0.5 0.2 1.4 4.1 3.0 10.4 6.3 2.4 2.5	30 1.6 0.8 0.5 7.7 13.9 32.9 65.7 79.6 68.5 34.8	40 4.4 2.2 1.8 5.6 11.9 11.9 28.2 29.1 49.2 34.1 14.7	50 4.4 3.9 1.5 1.7 1.9 0.3 1.4 1.9	2.0 0.2 0.5 0.1	70			100	110	120	11.0 10.5 5.5 16.4 29.2 50.4 99.4 123.6 126.7 94.8 23.2
LESS 40 60 65 70 75 80 85 90 95 100 105 110	0.3 0.1 0.1 0.6 0.7	10 0-1 0.9 0.6 1.1 0.9 1.8 1.5	20 0.6 1.6 0.5 0.2 1.4 4.1 3.0 10.4 6.3 2.4 2.5	30 1.6 0.8 0.5 7.7 13.9 32.9 65.7 79.6 68.5 34.8	40 4.4 2.2 1.8 5.6 11.9 11.9 28.2 29.1 49.2 34.1 14.7	50 4.4 3.9 1.5 1.7 1.9 0.3 1.4 1.9	2.0 0.2 0.5 0.1	70			100	110	120	11.0 10.5 5.5 16.4 29.2 50.4 99.4 123.6 126.7 94.8 23.2
LESS 40 60 65 70 75 80 85 90 95 100 105 110	0.3 0.1 0.1 0.8 0.7	10 0-1 0.9 0.6 1.1 0.9 1.8 1.5 0.7	20 0.6 1.6 0.5 0.2 1.4 4.1 3.0 10.4 6.3 2.4 2.5	30 1.6 0.8 0.5 7.7 13.9 65.7 79.6 68.5 34.8 3.3 0.5	40 4.4 2.2 1.8 5.6 11.9 28.2 29.1 49.2 34.1 14.7 0.3	50 4.4 3.9 1.5 1.7 1.9 0.3 1.4 1.9 0.6 21.6	2.0 0.2 0.5 0.1	70 0.2			100	110	120	11.0 10.5 5.5 16.4 29.2 50.4 99.4 123.6 126.7 94.8 23.2 1.3
LESS 40 60 65 70 75 80 85 90 95 100 105 110	0.3 0.1 0.1 0.6 0.7	10 0-1 0.9 0.6 1.1 0.9 1.8 1.5	20 0.6 1.6 0.5 0.2 1.4 4.1 3.0 10.4 6.3 2.4 2.5	30 1.6 0.8 0.5 7.7 13.9 32.9 65.7 79.6 68.5 34.8	40 4.4 2.2 1.8 5.6 11.9 28.2 29.1 49.2 34.1 14.7 0.3	50 4.4 3.9 1.5 1.7 1.9 0.3 1.4 1.9	2.0 0.2 0.5 0.1	70			100	110	120	11.0 10.5 5.5 16.4 29.2 50.4 99.4 123.6 126.7 94.8 23.2
LESS 40 60 65 70 75 80 85 90 95 100 115 120 SUM	0.3 0.1 0.1 0.8 0.7	10 0-1 0-9 0-6 1-1 0-9 1-5 0-7 0-4	20 0.6 1.6 0.5 0.2 1.4 4.1 3.0 10.4 2.5 0.4	30 1.6 0.8 0.5 7.7 13.9 65.7 79.6 68.5 34.8 3.3 0.5	40 4.4 2.2 1.8 5.6 11.9 28.2 29.1 14.7 0.3	50 4.4 3.9 1.5 1.7 1.9 0.3 1.4 1.9 0.6 21.6 2.2	2.0 0.2 0.5 0.1	70			100	110	120	11.0 10.5 5.5 16.4 29.2 50.4 99.4 123.6 126.7 94.8 23.2 1.3
LESS 40 60 65 70 75 80 85 90 95 100 115 120 SUM	0.3 0.1 0.1 0.6 0.7 1.3	10 0-1 0.9 0-6 1.1 0.9 1.5 0.7 0.4	20 0.6 1.6 0.5 0.2 1.4 4.1 3.0 10.4 6.3 2.4 2.5 0.4	30 1.6 0.8 0.5 7.7 13.9 32.9 65.7 79.6 68.5 34.8 3.3 0.5	40 4.4 2.2 1.8 5.6 11.9 28.2 29.1 49.2 34.1 14.7 0.3	50 4.4 3.9 1.5 1.7 1.9 0.3 1.4 1.9 0.6 21.6 2.2	2.0 0.2 0.5 0.1 0.1	70 0.2 0.2 By AL	80 TITUDE	5000				11.0 10.5 16.4 29.2 50.4 123.6 126.7 94.8 23.2 1.3
LESS 40 60 65 70 85 90 100 110 110 1120 SUM	0.3 0.1 0.1 0.7 1.3	10 0-1 0-9 0-6 1-1 0-9 1-5 0-7 0-4	20 0.6 1.6 0.5 0.2 1.4 4.1 3.0 10.4 2.5 0.4	30 1.6 0.8 0.5 7.7 13.9 65.7 79.6 68.5 34.8 3.3 0.5	40 4.4 2.2 1.8 5.6 11.9 28.2 29.1 14.7 0.3	50 4.4 3.9 1.5 1.7 1.9 0.3 1.4 1.9 0.6 21.6 2.2	2.0 0.2 0.5 0.1 0.1	70	80	90	100	110	120	11.0 10.5 5.5 16.4 29.2 50.4 123.6 126.7 94.8 23.2 1.3
LESS 40 60 65 70 75 80 85 100 105 110 115 120 SUM	0.3 0.1 0.1 0.6 0.7 1.3	10 0-1 0.9 0-6 1.1 0.9 1.5 0.7 0.4	20 0.6 1.6 0.5 0.2 1.4 4.1 3.0 10.4 6.3 2.4 2.5 0.4	30 1.6 0.8 0.5 7.7 13.9 32.9 65.7 79.6 68.5 34.8 3.3 0.5	40 4.4 2.2 1.8 5.6 11.9 28.2 29.1 49.2 34.1 14.7 0.3	50 4.4 3.9 1.5 1.7 1.9 0.3 1.4 1.9 0.6 21.6 2.2	2.0 0.2 0.5 0.1 0.1	70 0.2 0.2 BY AL	80 TITUDE	5000				11.0 10.5 16.4 29.2 50.4 123.6 126.7 94.8 23.2 1.3
LESS 40 60 65 70 75 80 90 95 110 115 1120 SUM	0.3 0.1 0.8 0.7 1.3 3.3	10 0-1 0.9 0-6 1.1 0.9 1.5 0.7 0.4	20 0.6 1.6 0.5 0.2 1.4 4.1 3.0 6.3 2.4 2.5 0.4 33.3	30 1.6 0.8 0.5 7.7 13.9 65.7 79.6 68.5 34.8 3.3 0.5	40 4.4 2.2 1.8 5.6 11.9 28.2 29.1 49.2 34.1 14-7 0.3	50 4.4 3.9 1.5 1.7 1.9 0.3 1.4 1.9 0.6 21.6 2.2	3.0 25000.	70 0.2 0.2 By AL	80 TITUDE	5000				11.0 10.5 16.4 29.2 50.4 123.6 126.7 94.8 23.2 1.3
LESS 40 60 65 70 75 80 85 100 115 120 SUM	0.3 0.1 0.1 0.8 0.7 1.3	10 0-1 0.9 0-6 1.1 0.9 1.5 0.7 0.4	20 0.6 1.6 0.5 0.2 1.4 4.1 3.0 10.4 2.5 0.4 2.5 0.4	30 1.6 0.8 0.5 7.7 13.9 32.9 65.7 79.6 68.5 34.8 3.3 0.5	40 4.4 2.2 1.8 5.6 11.9 28.2 29.1 49.2 34.1 14.7 0.3	50 4.4 3.9 1.5 1.7 1.9 0.3 1.4 1.9 0.6 21.6 2.2	3.0 25000.	70 0.2 0.2 BY AL	80 TITUDE	5000				11.0 10.5 5.5 16.4 29.2 50.4 123.6 126.7 94.8 23.2 1.3
LESS 40 60 65 70 75 80 85 100 115 120 SUM	0.3 0.1 0.1 0.6 0.7 1.3	10 0-1 0.9 0-6 1.1 0.9 1.5 0.7 0.4	20 0.6 1.6 0.5 0.2 1.4 4.1 3.0 10.4 2.5 0.4 2.5 0.4 33.3 20 0.5 0.7 0.5 0.7	30 1.6 0.8 0.5 7.7 13.9 65.7 79.6 68.5 34.8 3.3 0.5 309.7 AIRSPE	40 4.4 2.2 1.8 5.6 11.9 28.2 29.1 14.7 0.3 193.5 EED BY 1 40 4.6 3.1 2.8	50 4.4 3.9 1.5 1.7 1.9 0.3 1.4 1.9 0.6 21.6 2.2	3.0 25000.	70 0.2 0.2 BY AL	\$0 TITUDE 80	5000				11.0 10.5 16.4 29.2 50.4 123.6 126.7 94.8 23.2 1.3
LESS 40 60 65 70 75 80 90 95 110 115 120 SUM	0.3 0.1 0.1 0.8 0.7 1.3	10 0-1 0.9 0-6 1.1 0.9 1.5 0.7 0.4	20 0.6 1.6 0.5 0.2 1.4 4.1 3.0 10.4 2.5 0.4 2.5 0.4	30 1.6 0.8 0.5 7.7 13.9 32.9 65.7 79.6 68.5 34.8 3.3 0.5	40 4.4 2.2 1.8 5.6 11.9 28.2 29.1 49.2 34.1 14.7 0.3	50 4.4 3.9 1.5 1.7 1.9 0.3 1.4 1.9 0.6 21.6 21.6 2.2	3.0 25000.	70 0.2 0.2 BY AL	\$0 TITUDE 80	5000				11.0 10.5 5.5 16.4 29.2 50.4 123.6 126.7 94.8 23.2 1.3
LESS 40 60 65 70 75 80 85 100 115 120 SUM	0.3 0.1 0.1 0.8 0.7 1.3 3.3 MINUTES	10 0-1 0.9 0-6 1.1 0.9 1.8 1.5 0.7 0-4	20 0.6 1.6 0.5 0.2 1.4 4.1 3.0 10.4 6.3 2.4 2.5 0.4 33.3 20 0.5 0.7 0.2 0.5 0.7	30 1.6 0.8 0.5 7.13.9 32.9 65.7 79.6 68.5 34.8 0.5 309.7 AIRSPE	40 4.4 2.2 1.8 5.6 11.9 12.9 11.9 28.2 29.1 49.2 34.1 14.7 0.3	50 4.4 3.9 1.5 1.7 1.9 0.3 1.4 1.9 0.6 21.6 2.2	3.0 25000.	70 0.2 0.2 BY AL	\$0 TITUDE 80	5000				11.0 10.5 16.4 29.2 50.4 123.6 126.7 94.8 23.2 1.3 592.0 SUM 11.0 10.5 5.5 16.4 29.2
LESS 40 60 65 70 75 80 85 100 115 120 SUM	0.3 0.1 0.1 0.6 0.7 1.3	10 0-1 0.9 0-6 1.1 0.9 1.5 0.7 0.4 7.8 FOR TOR	20 0.6 1.6 0.5 0.2 1.4 4.1 3.0 10.4 2.5 0.4 2.5 0.4 2.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.6 2.6 2.7 0.6 2.6 2.7 0.6 2.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0	30 1.6 0.8 0.5 7.7 13.9 32.9 65.7 79.6 68.5 34.8 3.3 0.5 309.7 AIRSPE	40 4.4 2.2 1.8 5.6 11.9 28.2 29.1 14.7 0.3 193.5 EED BY 1	50 4.4 3.9 1.5 1.7 1.9 0.3 1.4 1.9 0.6 21.6 2.2 41.3 IEIGHT 50 1.4 0.8 3.3 6.4 1.4	3.0 25000.	70 0.2 0.2 BY AL	\$0 TITUDE 80	5000				11.0 10.5 5.5 16.4 29.2 50.4 123.6 126.7 94.8 23.2 1.3 592.0 SUM 11.0 10.5 5.5 16.4 29.2
LESS 40 60 65 70 75 80 85 100 115 120 SUM	0.3 0.1 0.1 0.6 0.7 1.3	10 0-1 0-9 0-6 1-1 0-9 1-8 1-5 0-7 0-4 7.8 FOR TOR	20 0.6 1.6 0.5 0.2 1.4 4.1 3.0 10.4 2.5 0.4 2.5 0.4 2.5 0.5 0.5 0.7 0.2 0.8 2.3 4.3	30 1.6 0.8 0.5 7.7 13.9 65.7 79.6 68.5 34.8 3.3 0.5 309.7 AIRSPE 30 5.9 2.3 1.9 8.6 11.8 32.2 53.1	40 4.4 2.2 1.8 5.6 11.9 28.2 29.1 49.2 34.1 14.7 0.3 193.5 EED BY 1 40 4.6 3.1 2.3 2.8 8.6 6 12.1 39.8 31.4 50.5	50 4.4 3.9 1.5 1.7 0.3 1.4 1.9 0.6 21.6 2.2 41.3 1EIGHT 50 1.4 0.8 3.3 6.4 1.9 7.14.9	3.0 25000, 60 1.7 0.8 0.2 0.5	70 0.2 0.2 BY AL	\$0 TITUDE 80	5000				11.0 10.5 5.5 16.4 29.2 50.4 123.6 126.7 93.8 23.2 1.3 592.0 SUM 11.0 10.5 5.5 16.4 29.2 50.4
LESS 40 60 65 70 75 80 85 70 75 80 65 70 75 80 65 70 75 80 65 70 75 80 85 995	0.3 0.1 0.1 0.8 0.7 1.3 3.3 MINUTES	10 0-1 0.9 0.6 1.1 0.9 1.8 1.5 0.7 0.4 7.8 FOR TOR 10	20 0.6 1.6 0.5 0.2 1.4 4.1 3.0 10.4 2.5 0.4 2.5 0.4 2.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5	30 1.6 0.8 0.5 7.7 13.9 32.9 65.7 79.6 68.5 34.8 3.3 0.5 309.7 AIRSPE 30 5.9 2.3 1.9 8.6 11.8 3.3 1.9 8.6 11.8 48.6 18.2	40 4.4 2.2 1.8 5.6 11.9 28.2 29.2 34.1 14.7 0.3 193.5 EED 8Y 1 40 4.6 3.1 2.8 8.6 6.2 12.1 39.8 31.4 50.5 37.9	50 4.4 3.9 1.5 1.7 1.9 0.3 1.4 1.9 0.6 21.6 2.2 41.3 41.3 41.4 0.8 3.3 6.4 1.4 1.9 5.7 14.9 3.2.0	3.0 25000. 60 1.7 0.3 0.9	70 0.2 0.2 BY AL	\$0 TITUDE 80	5000				11.0 10.5 5.5 16.4 29.2 50.4 123.6 126.7 94.8 23.2 1.3 592.0 SUM 11.05 5.5 16.4 29.4 123.6 126.7 99.4
LESS 40 600 65 70 75 80 85 90 95 110 65 70 75 80 65 70 75 80 85 90 95 100 85 90 95 100	0.3 0.1 0.1 0.6 0.7 1.3 3.3 MINUTES LESS	10 0-1 0.9 0-6 1.1 0.9 1.8 1.5 0.7 0.4 7.8 FOR TOR 10	20 0.6 1.6 0.5 0.2 1.4 4.1 3.0 10.4 2.5 0.4 2.5 0.4 2.5 0.5 0.7 0.2 0.8 2.3 4.5 0.2 15.6 11.6 5.1	30 1.6 0.8 0.5 7.7 13.9 65.7 79.6 68.5 34.8 3.3 0.5 309.7 AIRSPE 30 5.9 2.3 1.9 8.6 11.8 32.2 69.8 48.6 18.6	40 4.4 2.2 1.8 5.6 11.9 28.2 29.1 14.7 0.3 193.5 EED BY 1 40 4.6 3.1 2.3 8.6 12.1 39.8 31.4 50.5 37.9 11.0	50 4.4 3.9 1.5 1.7 0.3 1.4 1.9 0.6 21.6 2.2 41.3 1EIGHT 50 1.4 0.8 3.3 6.4 1.9 7.14.9	3.0 25000, 60 1.7 0.8 0.2 0.5	70 0.2 0.2 BY AL	\$0 TITUDE 80	5000				11.0 10.5 16.4 29.2 50.4 123.6 126.7 94.8 23.2 1.3 592.0 SUM 11.0 10.5 516.4 29.2 50.4 123.6 126.7 99.4
LESS 40 60 65 70 75 80 85 110 115 120 SUM  LESS 40 60 65 75 80 85 90 95 100 105	0.3 0.1 0.1 0.8 0.7 1.3 3.3 MINUTES	10 0-1 0.9 0.6 1.1 0.9 1.8 1.5 0.7 0.4 7.8 FOR TOR 10	20 0.6 1.6 0.5 0.2 1.4 4.1 3.0 10.4 2.5 0.4 2.5 0.4 2.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5	30 1.6 0.8 0.5 7.7 13.9 32.9 65.7 79.6 68.5 34.8 3.3 0.5 309.7 AIRSPE 30 5.9 2.3 1.9 8.6 11.8 3.3 1.9 8.6 11.8 48.6 18.2	40 4.4 2.2 1.8 5.6 11.9 28.2 29.2 34.1 14.7 0.3 193.5 EED 8Y 1 40 4.6 3.1 2.8 8.6 6.2 12.1 39.8 31.4 50.5 37.9	50 4.4 3.9 1.5 1.7 1.9 0.3 1.4 1.9 0.6 21.6 2.2 41.3 41.3 41.4 0.8 3.3 6.4 1.4 1.9 5.7 14.9 3.2.0	3.0 25000. 60 1.7 0.3 0.9	70 0.2 0.2 BY AL	\$0 TITUDE 80	5000				11.0 10.5 5.5 16.4 29.2 50.4 123.6 126.7 94.8 23.2 1.3 592.0 SUM 11.05 5.5 16.4 29.4 123.6 126.7 99.4
LESS 40 60 670 775 80 85 90 910 115 120 SUM	0.3 0.1 0.1 0.8 0.7 1.3 3.3 MINUTES LESS	10 0-1 0.9 0.6 1.1 0.9 1.8 1.5 0.7 0.4 7.8 FOR TOR 10	20 0.6 1.6 0.5 0.2 1.4 4.1 3.0 10.4 2.5 0.4 2.5 0.4 2.5 0.5 0.7 0.2 0.8 2.3 4.5 0.2 15.6 11.6 5.1	30 1.6 0.8 0.5 7.7 13.9 65.7 79.6 68.5 34.8 3.3 0.5 309.7 AIRSPE 30 5.9 2.3 1.9 8.6 11.8 32.2 69.8 48.6 18.6	40 4.4 2.2 1.8 5.6 11.9 28.2 29.1 14.7 0.3 193.5 EED BY 1 40 4.6 3.1 2.3 8.6 12.1 39.8 31.4 50.5 37.9 11.0	50 4.4 3.9 1.5 1.7 1.9 0.3 1.4 1.9 0.6 21.6 2.2 41.3 41.3 41.4 0.8 3.3 6.4 1.4 1.9 5.7 14.9 3.2.0	3.0 25000. 60 1.7 0.3 0.9	70 0.2 0.2 BY AL	\$0 TITUDE 80	5000				11.0 10.5 16.4 29.2 50.4 123.6 126.7 94.8 23.2 1.3 592.0 SUM 11.0 10.5 516.4 29.2 50.4 123.6 126.7 99.4
LESS 40 60 65 70 75 80 85 70 75 80 65 70 75 80 65 70 75 80 85 90 90 105 115	0.3 0.1 0.1 0.6 0.7 1.3 3.3 MENUTES LESS	10 0-1 0.9 0.6 1.1 0.9 1.8 1.5 0.7 0.4 7.8 FOR TOR 10	20 0.6 1.6 0.5 0.2 1.4 4.1 3.0 10.4 2.5 0.4 2.5 0.4 2.5 0.5 0.7 0.2 0.8 2.3 4.5 0.2 15.6 11.6 5.1	30 1.6 0.8 0.5 7.7 13.9 65.7 79.6 68.5 34.8 3.3 0.5 309.7 AIRSPE 30 5.9 2.3 1.9 8.6 11.8 32.2 69.8 48.6 18.6	40 4.4 2.2 1.8 5.6 11.9 28.2 29.1 14.7 0.3 193.5 EED BY 1 40 4.6 3.1 2.3 8.6 12.1 39.8 31.4 50.5 37.9 11.0	50 4.4 3.9 1.5 1.7 1.9 0.3 1.4 1.9 0.6 21.6 2.2 41.3 41.3 41.4 0.8 3.3 6.4 1.4 1.9 5.7 14.9 3.2.0	3.0 25000. 60 1.7 0.3 0.9	70 0.2 0.2 BY AL	\$0 TITUDE 80	5000				11.0 10.5 16.4 29.2 50.4 123.6 126.7 94.8 23.2 1.3 592.0 SUM 11.0 10.5 5 16.4 29.2 50.4 123.6 126.7 99.4
LESS 40 60 670 775 80 85 90 910 115 120 SUM	0.3 0.1 0.1 0.0 0.7 1.3 3.3 MINUTES LESS	10 0-1 0.9 0.6 1.1 0.9 1.8 1.5 0.7 0.4 7.8 FOR TOR 10	20 0.6 1.6 0.5 0.2 1.4 4.1 3.0 10.4 2.5 0.4 2.5 0.4 2.5 0.5 0.5 0.7 0.5 0.7 0.8 2.3 4.5 3.0 15.6 11.6 5.1	30 1.6 0.8 0.5 7.7 13.9 65.7 79.6 68.5 34.8 3.3 0.5 309.7 AIRSPE 30 5.9 2.3 1.9 8.6 11.8 32.2 69.8 48.6 18.6	40 4.4 2.2 1.8 5.6 11.9 28.2 29.1 14.7 0.3 193.5 EED BY 1 40 4.6 3.1 2.8 8.6 12.1 31.4 50.5 31.4 50.5	50 4.4 3.9 1.5 1.7 1.9 0.3 1.4 1.9 0.6 21.6 2.2 41.3 41.3 41.4 0.8 3.3 6.4 1.4 1.9 5.7 14.9 3.2.0	3.0 25000. 60 1.7 0.3 0.9	70 0.2 0.2 BY AL	\$0 TITUDE 80	5000				11.0 10.5 16.4 29.2 50.4 123.6 126.7 94.8 23.2 1.3 592.0 SUM 11.0 10.5 516.4 29.2 50.4 123.6 126.7 99.4

TABLE XLIII - Continued

	MINUTES	FOR TOP	QUE1 VS	AIRSPE	ED 8Y	WE I GHT	25000.	BY AL	TITUDE	SUP	i I			
	LESS	10	20	30	40	50	60	70	80	90	100	110	120	SUM
LESS	11.3	17.1	30.1	102.7	139.9	10.4	20.4	8.7	5.0	0.2	0.1			405.9
40		14.3	18.6	21.2	37.1	₹5	17.1	1.9						168.8
60		3.4	12.9	12.0	17.4	13.9	6.3	1.4						80.1
65 70		5.8	9.7 20.7	27.2 36.6	33.1 41.5	2	4.8	0.9	0.3					111.2
75		14.4	34.5	102.7	65.7	8.1 25.0	2.6	0.7	C. 3					144.0 253.4
80		12.4	38.7	202.2	90.4	11.4	0.9	0.1	0.2					368.3
85		9.7	48.3	255.6	114.H	9.8	1.7	0.0	0.2					446.7
90		6.6	32.8	205.8	128.1	10.1	0.7	0.2						390.9
95		4.3	17.3	97.8	91.2	29.6	0.4							245.2
100		2.9	9.1	33.0	42.2	6.6	0.2							95.9
105 110	0.5	0.1	3.5	4.7	2-7	0.3	0.3							12.1
115				0.1	0.0									0.3
120														
SUM		96.8	276.2	1101.7	804.5	264.0	56.9	14.5	5.9	0.2	0.1			2722.9
•	MINUTES	FOR TOR	QUE2 VS	AIRSPE	ED BY	EIGHT	25000,	BY AL	TITUDE	SUM				
	LESS	10	20	30	40	50	60	70	80	90	100	110	120	SUM
LESS	6.2	10.6	45.3	142.2	140.6	43.3	12.0	2.2	3.2	0.3				405.9
40	9.7	10.9	26.6	36-1	44.8	27.4	9.3	3.8	0.2	0.1				168.8
60	2.7	5.8	8.9	22.1	18.7	11.2	7.8	2.0	0.7	0.2				80.1
65 70	2.8	5.0	14-1	26.8	30.8 40.6	20.3	8.9 4.0	0.6	1-2					111-2
75	3.0 2.4	5.3	41.6	105.6	70.5	23.6	4.2	0.1	0.1					253.4
80	2.0	6.0	46.6	186.1	111.1	11.9	3.9							368.3
85	2.0	7.2	49.0	226.7	143.0	17.4	1.4							446.7
90	2.1	4.6	33.4	167.4	150.5	22.6	2.3							390.9
95	1.0	4.6	18.4	70.7	97.5	45.8	6.4							245.2
100	0.2	1.3	5.8	24.5	37.6	22.7	3.7							95.9
105		0.2	1.6	3.5	0.0	0.8								12-1
115				0.3	0.0									0.3
120														
SUM	35.8	68.8	309.2	1054.5	899.7	276.5	63.7	8.7	5.4	0.6				2722.9
	ITMUTES	Ene The	011E1 VS	ATRCDE	ED 84 1	JE I GMT	27000.	BV AL	TITUDE	1 666				
•	INUTES						27000,		TITUDE	LESS		9.111		
	LESS	FOR TOR	20	30	40	50	60	BY AL	TITUDE 60	LESS	100	110	120	SUM
LESS	LESS 0.4			30 1-1	40 2.1					1000	100	110	120	6.2
LESS 40	UESS 0.4 0.2		20	30	40	50	60			1000	100	110	120	6.2
LESS	LESS 0.4		20	30 1-1	40 2.1	50	60			1000	100	110	120	6.2 0.8 0.1
LESS 40 60	UESS 0.4 0.2	10	20	30 1-1	40 2.1	50	60			1000	100	110	120	6.2 0.8 0.1 0.1
LESS 40 60 65 70 75	0.4 0.2 0.1	0-1	20	30 1-1	40 2.1	50	60			1000	100	110	120	6.2 0.8 0.1 0.1
LESS 40 60 65 70 75	0.4 0.2 0.1	10	20	30 1-1 0-2	40 2.1	50	60			1000	100	110	120	6.2 0.8 0.1 0.1 0.1
LESS 40 60 65 70 75 80	0.4 0.2 0.1	0-1	20	30 1.1 0.2	40 2.1 0.4	50	60			1000	100	110	120	6.2 0.8 0.1 0.1 0.1
LESS 40 60 65 70 75 80 85 90	0.4 0.2 0.1	0-1	20	30 1.1 0.2	40 2.1	50	60			1000	100			6.2 0.8 0.1 0.1 0.1 0.1 0.6 0.3
LESS 40 60 65 70 75 80 85 90	0.4 0.2 0.1	0-1	20 1.4	30 1.1 0.2	40 2.1 0.4	50	60			1000	100	110		6.2 0.8 0.1 0.1 0.1 0.6 0.3
LESS 40 60 65 70 75 80 95 100	0.4 0.2 0.1	0-1	20	30 1.1 0.2	40 2.1 0.4	50	60			1000	100			6.2 0.8 0.1 0.1 0.1 0.1 0.6 0.3
LESS 40 60 65 70 75 80 90 95 100 105	0.4 0.2 0.1	0-1	20 1.4	30 1.1 0.2	40 2.1 0.4	50	60			1000	100			6.2 0.8 0.1 0.1 0.1 0.6 0.3
LESS 40 60 65 70 75 80 85 90 95 100 105 110	0.4 0.2 0.1	0-1	20 1.4	30 1.1 0.2	40 2.1 0.4	50	60			1000	100			6.2 0.8 0.1 0.1 0.1 0.6 0.3
LESS 40 60 65 70 75 80 85 90 95 100 110 115 120	LESS 0.4 0.2 0.1	0-1	20 1.4	30 1-1 0-2	40 2-1 0-4	50 1.0	60			1000	100			6.2 0.8 0.1 0.1 0.1 0.6 0.3
LESS 40 60 65 70 75 80 85 90 95 100 105 110	0.4 0.2 0.1	0-1	20 1.4	30 1.1 0.2	40 2.1 0.4	50	60			1000	100			6.2 0.8 0.1 0.1 0.1 0.6 0.3
LESS 40 65 70 75 80 85 90 95 105 110 115 120	LESS 0.4 0.2 0.1	0-1	20 1.4	30 1-1 0-2 0-6 0-1 0-1	0.1	50 1.0	60	70		1000	100			6.2 0.8 0.1 0.1 0.1 0.6 0.3
LESS 40 65 70 75 80 85 90 95 105 110 115 120	UESS 0.4 0.2 0.1 0.1 0.1	0-1 0-1 0-2 FOR TOR	20 1-4	30 1-1 0-2 0-6 0-1 0-1	0.1	50 1.0	60 0-2	70	60	90				6.2 0.8 0.1 0.1 0.1 0.6 0.3 0.1
LESS 40 65 70 75 80 85 90 95 105 110 115 120	0.0 0.2 0.1 0.1	0-1	20 1.4	30 1-1 0-2 0-6 0-1 0-1	40 2-1 0-4 0-1	50 1.0 1.0 1.0 WEIGHT	60 0.2 0.2 27000,	70 By Al	\$11UDE	90 LESS	100			6.2 0.8 0.1 0.1 0.1 0.6 0.3
LESS 40 60 65 70 60 85 95 100 105 110 SUM	UESS 0.4 0.2 0.1 0.1	0-1 0-1 0-2 FOR TOR	20 1.4	30 1-1 0-2 0-6 0-1 0-1 2-1 AIRSPE 30 2-8 0-6	40 2-1 0-4 0-1	50 1.0 1.0 MEIGHT	60 0.2 0.2 27000,	70 By Al	\$11UDE	90 LESS				6.2 0.8 0.1 0.1 0.1 0.6 0.3 0.1 0.1
LESS 40 60 65 70 75 80 85 90 95 100 115 120 SUM	UESS 0.4 0.2 0.1 0.1	0-1 0-1 0-2 FOR TOR	20 1.4	30 1-1 0-2 0-6 0-1 0-1 2-1 AIRSPE 30 2-8 0-6	40 2-1 0-4 0-1	50 1.0 1.0 MEIGHT	60 0.2 0.2 27000,	70 By Al	\$11UDE	90 LESS				6.2 0.8 0.1 0.1 0.1 0.6 0.3 0.1
LESS 40 60 65 70 75 80 85 100 105 120 SUM	UESS 0.4 0.2 0.1 0.1	0-1 0-1 0-2 FOR TOR	20 1.4	30 1.1 0.2 0.6 0.1 0.1 2.1 AIRSPE 30 2.8 0.6 0.1	40 2-1 0-4 0-1	50 1.0 1.0 MEIGHT	60 0.2 0.2 27000,	70 By Al	\$11UDE	90 LESS				6.2 0.8 0.1 0.1 0.1 0.6 0.3 0.1 0.1
LESS 40 60 65 70 100 115 120 SUM	UESS 0.4 0.2 0.1 0.1	0-1 0-1 0-2 FOR TOR	20 1.4	30 1-1 0-2 0-6 0-1 0-1 2-1 AIRSPE 30 2-8 0-6	40 2-1 0-4 0-1	50 1.0 1.0 MEIGHT	60 0.2 0.2 27000,	70 By Al	\$11UDE	90 LESS				6.2 0.8 0.1 0.1 0.1 0.6 0.3 0.1
LESS 40 60 65 70 75 80 85 100 105 110 115 120 SUM	UESS 0.4 0.2 0.1 0.1	0-1 0-1 0-2 FOR TOR	20 1.4	30 1-1 0-2 0-6 0-1 0-1 2-1 AIRSPE 30 2-8 0-1 0-1	40 2-1 0-4 0-1	50 1.0 1.0 MEIGHT	60 0.2 0.2 27000,	70 By Al	\$11UDE	90 LESS				6.2 0.8 0.1 0.1 0.1 0.6 0.3 0.1 0.1
LESS 40 60 65 70 100 115 120 SUM	UESS 0.4 0.2 0.1 0.1	0-1 0-1 0-2 FOR TOR	20 1.4	30 1.1 0.2 0.6 0.1 0.1 2.1 AIRSPE 30 2.8 0.6 0.1	40 2-1 0-4 0-1	50 1.0 1.0 MEIGHT	60 0.2 0.2 27000,	70 By Al	\$11UDE	90 LESS				6.2 0.8 0.1 0.1 0.1 0.6 0.3 0.1 0.1
LESS 40 60 67 75 80 85 100 105 110 1120 SUM	UESS 0.4 0.2 0.1 0.1	0-1 0-1 0-2 FOR TOR	20 1.4	30 1-1 0-2 0-6 0-1 0-1 2-1 AIRSPE 30 2-8 0-1 0-1	40 2-1 0-4 0-1 2-6 ED BY 1 40 2-6 0-1	50 1.0 1.0 MEIGHT	60 0.2 0.2 27000,	70 By Al	\$11UDE	90 LESS				6.2 0.8 0.1 0.1 0.1 0.6 0.3 0.1 0.1 0.1 0.1 0.1
LESS 40 60 67 75 80 85 90 65 70 75 80 85 90 95	UESS 0.4 0.2 0.1 0.1	0-1 0-1 0-2 FOR TOR	20 1.4	30 1-1 0-2 0-6 0-1 0-1 2-1 AIRSPE 30 2-8 0-1 0-1 0-1	40 2-1 0-4 0-1 2-6 ED BY 1 40 2-6 0-1	50 1.0 1.0 MEIGHT	60 0.2 0.2 27000,	70 By Al	\$11UDE	90 LESS				6.2 0.8 0.1 0.1 0.1 0.6 0.3 0.1 0.1 0.1 0.1 0.1
LESS 400 65 75 800 85 100 115 120 M	UESS 0.4 0.2 0.1 0.1	0-1 0-1 0-2 FOR TOR	20 1.4	30 1-1 0-2 0.6 0.1 0-1 2-1 AIRSPE 30 2.8 0.6 0.1 0.1	40 2-1 0-4 0-1 2-6 ED BY 1 40 2-6 0-1	50 1.0 1.0 MEIGHT	60 0.2 0.2 27000,	70 By Al	\$11UDE	90 LESS				6.2 0.8 0.1 0.1 0.1 0.6 0.3 0.1 0.1 0.1 0.1
LESS 40 60 65 70 75 80 85 40 60 65 70 75 80 85 90 95 100 105	UESS 0.4 0.2 0.1 0.1	0-1 0-1 0-2 FOR TOR	20 1.4	30 1-1 0-2 0-6 0-1 0-1 2-1 AIRSPE 30 2-8 0-1 0-1 0-1	40 2-1 0-4 0-1 2-6 ED BY 1 40 2-6 0-1	50 1.0 1.0 MEIGHT	60 0.2 0.2 27000,	70 By Al	\$11UDE	90 LESS				6.2 0.8 0.1 0.1 0.0 0.3 0.1 0.1 0.1 0.1 0.1 0.1 0.1
LESS 40 60 67 70 75 80 85 100 65 70 75 80 85 90 95 100 115 120 85 100 115 120 85 110 110 110 110 110 110 110 110 110 11	UESS 0.4 0.2 0.1 0.1	0-1 0-1 0-2 FOR TOR	20 1.4	30 1-1 0-2 0-6 0-1 0-1 2-1 AIRSPE 30 2-8 0-1 0-1 0-1	40 2-1 0-4 0-1 2-6 ED BY 1 40 2-6 0-1	50 1.0 1.0 MEIGHT	60 0.2 0.2 27000,	70 By Al	\$11UDE	90 LESS				6.2 0.8 0.1 0.1 0.0 0.3 0.1 0.1 0.1 0.1 0.1 0.1 0.1
LESS 40 60 65 70 75 80 85 40 60 65 70 75 80 85 90 95 100 105	UESS 0.4 0.2 0.1 0.1	0-1 0-1 0-2 FOR TOR	20 1.4	30 1-1 0-2 0-6 0-1 0-1 2-1 AIRSPE 30 2-8 0-1 0-1 0-1	40 2-1 0-4 0-1 2-6 ED BY 1 40 2-6 0-1	1.0 1.0 MEIGHT 50 0.2	60 0.2 0.2 27000,	70 By Al	\$11UDE	90 LESS				6.2 0.8 0.1 0.1 0.1 0.6 0.3 0.1 0.1 0.1 0.6 0.3 0.1
LESS 400 65 75 80 85 90 95 100 115 120 85 90 95 100 115 120 85 90 90 105 110 115	UESS 0.4 0.2 0.1 0.1	0-1 0-1 0-2 FOR TOR	20 1.4	30 1-1 0-2 0-6 0-1 0-1 2-1 AIRSPE 30 2-8 0-1 0-1 0-1	40 2-1 0-4 0-1 2-6 ED BY 1 40 2-6 0-1	50 1.0 1.0 MEIGHT	60 0.2 0.2 27000,	70 By Al	\$11UDE	90 LESS				6.2 0.8 0.1 0.1 0.1 0.6 0.3 0.1 0.1 0.1 0.1 0.1

				TAF	SLE 3	CLIII	- Cor	ntinue	d					
	INUTES I	TOP/							TITUDE	1000				
•	140153	OK IONE	OCI VS	AINSFE	CU B1 W		2,000,	0, 40		•				
	LESS	10	20	30	40	50	60	70	80	90	100	110	120	SUM 31.2
LESS 40	1.2	1.2 0.5	1.6	2.2	10.4 3.2	6.0	2.4	0.4	1.1					10.6
60	0.2	0.2	0.1	0.9	0.6	0.7	0.4	0.1						2.8
65	0.4	0.3	0.3	0.8	0.9	0.5	0.5							3.7
70	0.1	0.8	0.2	0.6	0.4	0.6		0.1						2.8
75	0.0	0.1	0.6	1.3	0.9	1.6	0.1							2.1
80 85	0.0	0.1	0.5	0.5	1.0	0.2	0.2							1.9
90	0.1		0.1		•									0.2
95				0.1										0.1
100			0.1 0.1	0.3		0.5								0.9
110			0.1	0.2	0.2	0.7	0.1							0.3
115					0.2									0.2
120														62.4
SUM	2.9	3.1	5.3	14.3	18.0	13.2	3.9	0.6	1.1					02.4
	INUTES	FOR TORG	QUE2 VS	AIRSPE	ED BY W	EIGHT	27000,	BY AL	TITUDE	1000				
	, =					**	4.0	70	40	90	100	110	120	SUM
LESS	LESS 1.6	10	20 8-1	9.9	40 7.7	50 1.0	1.0	70	80	40	100	110	120	31.2
40	0.3	0.6	2.6	2.8	3.8	•	0.4							10.6
60	0.1	0.1	0.3	0.9	1.1		0.2	0.1						2.6
65	0.3	0.1	0.6	1.6	1.0		0.2	0.1						3.7 2.8
70 75	0.4	0.6	0.5	0.5 3.1	0.1	0.1	0.1	0.1						4.6
80	0.1	0.2	0.5	1.0		0.1	0.2							2-1
. 85	0.1	0.2	0.3	1.0	0.3		0.2							1.9
90	0.1		0.1	0.1										0.2
95 100				0.4	0.4	0.1								0.9
105				0.2	0.1	0.8								1.2
110					0.2		0.1							0.3
115					0.2									0.2
SUM	3.1	3.6	14.2	21.5	15.4	2.0	2.4	0.2						62.4
,	INUTES	FOR TORG	DUEL VS	AIRSPE	ED BY W	EIGHT	27000,	BY AL	TITUDE	2000				
	LESS	10	20	30	40	50	60	70	80	90	100	110	120	SUM
LESS	0.8	0.8	3.7	12-1	17.4	16.4	6.1	1.0	0.5	0.2		• • •		59.0
60	2.0 0.5	2.9	2.1	3.3	11.9 7.3	9.9	7.8	2-1 0-1	1.0					37.5
65	0.3	0.4	2.7	12.1	15.6	6.2	3.2	0.1	0.0					25.7 41.2
70	0.6	2.4	3.9	9.6	13.9	3.4	2.1		0.1					35.9
75 80	1.0	2.3	5.2	20.5	20.0	4.9	1.4	0.1						54.1
85	0.6	2.4	9.7	43.7	43.5 39.0	10.1	0.7							105.2
90	0.9	1.1	9.6	77.3	46.2	2.0	0.1							137.1
95	0.6	1.8	6.7	50.2	20.1	2.0								81.5
100	0.1	0.2	0.5	7.7	14.7	2-3 0-1	0.1							25.6
110	0.2			0.7	0.3	0.1								1.6
115														
120 SUM		15.7		101 0	350 0									
3011	9.6	15.7	79.6	301.8	250.2	67.2	24.1	3.3	2.7	0.2				730.4
	MINUTES	FOR TOR	QUEZ VS	AIRSP	ED BY	EIGHT	27000.	SY AL	TITUDE	2000				
	LESS	10	20	30	40	50	60		80	90		110	120	£ 1.100
LESS		1.2	5.0	14.7	28.7	5.2	1.4	70 0.5	0.3	70	100	110	150	\$UM 59.0
40	1.2	0.6	2.5	7.5	10.3	1.2	6.2	1.0						37.5
65		0.3	3.2	7.3	8.4	4.4	1.0		0.8					25.7
70		1.3	12.2	12.6	10.4	5.7 3.3	2.7		0.5					41.2
75		1.3	7.6	23.5	15.8	4.8	0.5		0.1					54.1
80	0.4	1.1	17.0	60-8	22.3	3.4	0.3							105.2
85 90		0.2 0.5	17.3	69.0	35.4 59.1	4.0								125.9
95		0.6	9.1 1.1	34.3	40.8	4.7								137.1
100		0.1	1-1	8.6	10.4	5.4								25.6
105			0.6	0.3	0.6		0.1							1.6
110 115			0.2											0.2
150														
SUM		8 - 1	81.6	310-6	255.0	53.7	12.8	1.5	1.5					730 4

TABLE XLIII - Continued

ı	MINUTES	FOR TO	RQUE1 VS	AIRSP	EED BY	EIGHT	27000.	BY AL	LTITUDE	5000				
	LESS	10	20	30	40	50	60	70	80	90	100	110	120	SUM
LESS 40				0.1	0.6	0.5	2.0	0.4						3.6
60				0.4	1.1	3.5		0.3						5.3
65				1.4	1.3	2.9	0.1							5.7
70 75				0.1	1.4	0.8								2.3
60			0.3	1.7	3.4	1.1								6-2
85			1.5	15.0	20.4	3.2								17.0 40.1
90			1.5	18.6	23.3	6.9								50.3
95				5.5	18.4	4.5								28.3
100 105			0.2	0.9	17.3									18.4
110		0.3												0.3
115														
120														
SUM		0.3	3.6	58.7	89.0	23.5	2.0	0.7						177.7
	MINUTES	FOR TO	RQUE2 VS	AIRSP	EED BY	WEIGHT	27000,	BY A	L I I I UDE	5000	)			
LESS	LESS	10	20	30	40	50	60	70	80	90	100	110	120	SUM
40				0.1	1.7	0.7	0.6		0.4					2.4
60				0.1	1.2	3.6	0.0	0.1	0.2					3.6 5.3
65				1.4	3.9	0.4	0.1							5.7
70 75					1.5	0.6	0.1							2.3
80			0.9 3.2	0.6	3.9 2.1	0.8	0.1 0.1							6-2
85			3.3	11.6	19.2	5.6	0.2							17.0 40.1
90			2.0	7.7	22.4	18.1	0.2							50.3
95				3.1	10-1	13.7	1.4							28.3
100			0.3	0.7	17.7									18.4
110			0.3											0.3
115														
120							2.00							
SUM			9.6	37.0	83.8	44.0	2.6	0.1	0.5					177.7
1	MINUTES	FOR TO	RQUEL VS	AIRSP	ED BY	EIGHT	27000,	BY AL	TITUDE	SUP				
	LESS	10	20	30	40	**	40	70	• •			• • •		
LESS	2.4	2.0	20 6.6	20.1	40 29.9	50 23.4	8.7	70 1.4	80 1.6	90	100	110	120	96.3
40	2.8	3.3	3.3	5.9	16.1	7.2	10.2	2.6	1.0	0.5				52.5
60	0.9	0.7	2.2	3.2	9.0	14.1	2.5	0.4	0.8					33.8
65	0.7	0.8	2.9	14.3	18.0	9.7	3.0		0.5					50.7
70 75	0.9	3.1	4.1 5.7	10.3	15.6 24.3	7.6	2.1 1.5	0.1 0.1	0.1					41.1
80	0.5	2.5	10.4	58.9	45.6	5.4	1.0	0.1						64.8
85	0.7	2.4	12.9	78.7	60.4	13.4	0.2							168.6
90	1.0	1.1	11.3	96.0	69.6	0.9	0.1							188.0
95 100	0.6	1.8	6.7 0.9	55.9	38.5 32.0	6.4								110.0
105	0.3	0.3	0.1	1.1	0.3	2.6	0.1							45.1 3.0
110	0.2				0.2		0.1							0.5
115					0.2									0.2
120	12.2	10.3	47.3	374 6	150 6	104.0		4 4	•					
SUM	12.2	19.3	67.2	376.8	359.8	104.9	30.1	4.6	3.8	0.2				979.0
M	INUTES	FOR TOR	QUEZ VS	AIRSPE	ED BY W	EI GHT	27000.	BY AL	TITUDE	SUM				
	LESS	10	20	30	40	50	60	70	80	90	100	110	120	SUM
LESS	3.8	3.1	13.7	27.4	38.9	6.4	2.4	0.5	0.3					96.3
40	1.5	1.2	5.2	11.0	15.9	0.9	7.3	1.0	0.4					52.5
60	0.5	0.4	3.5 12.8	11.3	10.7	6.1	1 - 2 3 - 0	0.2	1.0					33.8 50.7
70	0.9	1.0	6.2	13.2	15.0	4.1	0.7	0.1	0.1					41.1
75	0.6	1.9	9.0	27.2	19.8	5.6	0.7		0.1					64.8
80	0.6	1.3	20.7	73.5	24.3	3.5	0.6							124.5
85	0.1	0.3	20.9	81.6 71.5	55.5 81.7	9.9	0.4							168.6
90	0.1	0.5	11.2	37.5	51.0	18.4	0.2							188.0
100		0.1	i.i	9.9	28.5	5.5								45.1
105			0.8	0.6	0.7	0.8	0.1							3.0
110			0.2		0.2		0.1							0.5
115					0.2									0.2
SUM	8.4	11-7	106.4	373.1	357.7	99.9	17.9	1.7	2					979.0

### TABLE XLIII - Continued

	MINUTES	FOR	TORQUE	1 VS A	IRSPEED	BY WEI	HT 2	9000,	BY ALT	ITUDE	LESS				
LESS 40 60 65 70 75 80 80 95 100 115 110		•	10	20 0-1	30	40	50	60	70 0.3	80 C.1	90	100	110	120	SUM 2-1 0-1
SUM		500		0.1	IRSPEED	1.7	MT 20	9000,	0.3 BY ALT	0.1	LESS				2.1
	LES!		10	2 V3 A 20	30	40	50 E	60	70	80	90	100	110	120	SUM
LESS 40 65 70 75 80 95 100 110 110 115				1.0	30	0.7	30	0.4			70	200		120	2.1
SUM				1.0		0.7		0.4							2.1
	MINUTE	FOR	TORQUE	1 A2 W	IRSPEED	BA MEI	SHT Z	9000•	BY ALT	ITUDE	1000				
							-			_	0.00				
LESS 40 60 65 70 75 80 85 90 95 100 105 110			10	20	30 3.5 0.4	40 2.9	50 2•2	60 0.9 0.1 0.0 0.0	70 1.7 0.1 0.1 0.1	80 0.2	90	100	110	120	SUM 11.9 0.5 0.0 0.0 0.3 0.1 0.1
40 60 65 70 75 80 85 90 95 100 105		•		20	3.5			0.9 0.1 0.0 0.0	0-1 0-1		90	100	110	120	11.9 0.5 0.0 0.0 0.3 0.1 0.1
40 60 65 70 75 80 85 90 95 100 105 110 115 120 SUM		,	0.6		3.5	2.9	2.2	0.9 0.1 0.0 0.0 0.3	0-1 0-1 0-1	0.2	90	100	110	120	11.9 0.5 0.0 0.0 0.3 0.1 0.1
40 60 65 70 75 80 85 90 95 100 105 110 115 120 SUM	MINUTE: LESS 0.4	S FOR	0.6 TORQUE		3.5	2.9	2.2	0.9	0-1 0-1 0-1	0.2		100	110	120	11.9 0.5 0.0 0.0 0.3 0.1 0.1

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	MINUTES	FOR TORG	DUET A2	AIRSPE	ED BY	WEIGHT	29000,	BY AL	TITUDE	2000				
	LESS	10	20	30	40	50	60	70	80	90	100	110	120	SUM
LESS			0.9	4.8	7.0		1.7	0.5	C.3					18.0
40		0.4	0.2	0.3	0.3		0.1	0.2						1.9
60		0.3			0.6	1.3	0.2	0.1						2.5
65 70		0.2	0.8	0.1	0.2		0.1	0.1						2.5
75		0.2	1.0	1.7	1.0		0.2	•••						5.0
80		•••	1.4	2.2	2.4			0.2						7.4
85				4.0	6.6	0.2								10.7
90			0.4	6.9	7.5									14.8
95		0.1		3.6	2.2									5.9
100			0.2	2.9	3.9									0.5
110			0.2	0.4										
115														
120														
SUM		1.3	4.9	27.4	32.3	6.2	2.7	1.3	0.0					78.3
	MINUTES	FOR TOR	QUEZ VS	AIRSPE	ED BY	WEIGHT	29000,	BY AL	TITUDE	2000				
	LESS	10	20	30	40	50	60	70	80	90	100	110	120	SUM
LESS	FE 3 3	10	0.1	4.6	5.6	4.5	3.1	,,	30	70	.00	-10	***	18.0
40	0.2			0.1	1.2	0.2	0.3							1.9
60					1.2	0.6	0.5							2.5
65		0.8		0.2	0.3		0.8							2.3
70		0.3		0.3	0.6		0.6							2.5
75 80		0.5	1.5 2.1	1.7 2.0	2.2		0.3							5.0 7.4
85		0.3	0.4	1.7	7.7	0.5	0.3							10.7
90		0.2	0.2	1.9	10.2									14.8
95	0.1			0.6	4.9									5.9
100					6.7									6.7
105			0.2	0.1	0.2									0.5
110 115														
120														
SUM		2.0	4.5	13.0	41.6	8.5	6.0							78.3
	_													
11	MINUTES	FOR TORG	WEL VS	AIRSPE	ED BY	WEIGHT	29000.	BY AL	TITUOE	5000				
I			OUE1 VS	AIRSPE		WEIGHT	29000,		TITUOE	5000	1			
	MINUTES LESS	FOR TORG	20	AIRSPE 30	ED BY		29000.	87 AL 70	80 80	5000 90	100	110	120	SUM
LESS					40						100	110	120	
											100	110	120	0.8
LESS 40 60				30	0.8 0.3 0.5	50					100	110	120	
LESS 40 60 65 70				30	0.8 0.3 0.5	50					100	110	120	0.8 0.6 0.5
LESS 40 60 65 70 75				30	0.8 0.3 0.5 1.0	50					100	110	120	0.8 0.6 0.5 1.0
LESS 40 60 65 70 75				30	0.8 0.3 0.5 1.0	50					100	110	120	0.8 0.6 0.5 1.0 0.8
LESS 40 60 65 70 75 80 85				30	0.8 0.3 0.5 1.0 0.8 1.4	50					100	110	120	0.8 0.6 0.5 1.0 0.8 1.6 2.7
LESS 40 60 65 70 75				30	0.8 0.3 0.5 1.0	50					100	110	120	0.8 0.6 0.5 1.0 0.8 1.6 2.7
LESS 40 60 65 70 75 80 85 90 95				30	0.8 0.3 0.5 1.0 0.8 1.4 2.7	50					100	110	120	0.8 0.6 0.5 1.0 0.8 1.6 2.7
LESS 40 60 65 70 75 80 85 90 95				30 0.3	0.8 0.3 0.5 1.0 0.8 1.4 2.7	50					100	110	120	0.8 0.6 0.5 1.0 0.8 1.6 2.7 18.6
LESS 40 60 65 70 75 80 85 90 95 100				30 0.3	0.8 0.3 0.5 1.0 0.8 1.4 2.7	50					100	110	120	0.8 0.6 0.5 1.0 0.8 1.6 2.7 18.6
LESS 40 60 65 70 75 80 85 90 95 100 105				30 0.3	0.8 0.3 0.5 1.0 0.8 1.4 2.7	50					100	110	120	0.8 0.6 0.5 1.0 0.8 1.6 2.7 18.6
LESS 40 60 65 70 75 80 85 90 95 100 105 110				30 0.3 0.1 0.1	0.8 0.3 0.5 1.0 0.8 1.4 2.7	0.3					100	110	120	0.8 0.5 1.0 0.8 1.6 2.7 18.6 0.8
LESS 40 65 70 75 80 95 100 115 110 115 120 SUM	LESS		20	30 0.3 0.1 0.1	40 0.8 0.3 0.5 1.0 0.8 1.4 7 18.5 0.8	0.3	60	70	80		100	110	120	0.8 0.6 0.5 1.0 0.8 1.6 2.7 18.6
LESS 40 65 70 75 80 95 100 115 110 115 120 SUM	LESS	10	20	30 0.3 0.1 0.1 0.5 AIRSPE	40 0.8 0.3 0.5 1.0 0.8 1.4 2.7 18.5 0.8	0.3 0.3 WEIGHT	29000,	70 BY AL	80 FITUDE	90 5000				0.8 0.6 0.5 1.0 0.8 1.6 2.7 18.6 0.8
LESS 40 65 70 75 85 90 95 100 115 120 SUM	LESS	10	20	30 0.3 0.1 0.1	40 0.8 0.3 0.5 1.0 0.8 1.4 7 18.5 0.8	0.3	60	70	80	90	100	110	120	0.8 0.5 1.0 0.8 1.6 2.7 18.6 0.8
LESS 400 605 700 855 900 105 1100 115 120 SUM	LESS	10	20	30 0.3 0.1 0.1 0.5 AIRSPE	40 0.8 0.3 0.5 1.0 0.8 1.4 2.7 18.5 0.8	0.3 0.3 WEIGHT 50	29000,	70 BY AL	80 FITUDE	90 5000				0.8 0.6 0.5 1.0 0.8 2.7 18.6 0.1
LESS 40 65 70 75 85 90 95 100 115 120 SUM	LESS	10	20	30 0.3 0.1 0.1 0.5 AIRSPE	40 0.8 0.3 0.5 1.0 0.8 1.4 2.7 18.5 0.8	0.3 0.3 WEIGHT	29000,	70 BY AL	80 FITUDE	90 5000				0.8 0.6 0.5 1.0 0.8 1.6 0.8 0.1
LESS 400 605 770 775 80 85 90 975 110 1120 SUM	LESS	10	20	30 0.3 0.1 0.1 0.5 AIRSPE	40 0.8 0.3 0.5 1.0 0.8 1.4 2.7 18.5 0.8	0.3 0.3 WEIGHT 50 0.6 0.2	29000,	70 BY AL	80 FITUDE	90 5000				0.8 0.6 0.5 1.0 0.8 2.7 18.6 0.8 27.4
LESS 40 60 65 75 80 85 100 115 120 SUM	LESS	10	20	30 0.3 0.1 0.1 0.5 AIRSPE	40 0.8 0.3 0.5 1.0 0.8 1.4 26.7 18.5 0.8	0.3 0.3 WEIGHT 50 0.6 0.6	29000,	70 BY AL	80 FITUDE	90 5000				0.8 0.6 0.5 1.0 0.8 2.7 18.6 0.8 0.1
LESS 400 600 655 750 100 115 120 SUM	LESS	10	20	30 0.3 0.1 0.1 0.5 AIRSPE	40 0.8 0.3 0.5 1.0 0.8 1.4 2.7 18.5 0.8	0.3 0.3 WEIGHT 50 0.6 0.2 0.2	29000,	70 BY AL	80 FITUDE	90 5000				0.8 0.6 0.5 1.0 0.8 1.6 2.7 18.6 0.1
LESS 400 600 655 700 700 855 950 850 850 850 850 850 850 850 850 850 8	LESS	10	20	30 0.3 0.1 0.1 0.5 AIRSPE	40 0.8 0.3 0.5 1.0 0.8 1.4 2.7 18.5 0.8	0.3 0.3 WEIGHT 50 0.6 0.6	29000,	70 BY AL	80 FITUDE	90 5000				0.8 0.6 0.5 1.0 0.8 2.7 18.6 0.1
LESS 400 605 75 800 85 100 115 120 600 605 70 75 80 85	LESS	10	20	30 0.3 0.1 0.1 0.5 AIRSPE 30	40 0.8 0.3 0.5 1.0 0.8 1.4 26.7 18.5 0.8 26.7 ED BY 40 0.4 0.4	0.3 0.3 WEIGHT 50 0.6 0.2 0.2	29000,	70 BY AL	80 FITUDE	90 5000				0.8 0.6 0.5 1.0 0.8 2.7 18.6 0.8 0.1
LESS 400 600 655 700 700 855 950 850 850 850 850 850 850 850 850 850 8	LESS	10	20	30 0.3 0.1 0.1 0.5 AIRSPE	40 0.8 0.3 0.5 1.0 0.8 1.4 2.7 18.5 0.8	0.3 0.3 WEIGHT 50 0.6 0.2 0.2	29000,	70 BY AL	80 FITUDE	90 5000				0.8 0.6 0.5 1.0 0.8 2.7 18.6 0.8 0.1
LESS 400 600 655 755 800 600 655 755 800 600 655 755 800 655 755 800 655 900 655 755 800 655 900 655 800 655 900 655 8	LESS	10	20	30 0.3 0.1 0.1 0.5 AIRSPE 30	40 0.8 0.3 0.5 1.0 0.8 1.4 2.5 0.8 26.7 ED BY	0.3 0.3 WEIGHT 50 0.6 0.2 0.2	29000,	70 BY AL	80 FITUDE	90 5000				0.8 0.6 0.5 1.0 0.8 1.6 2.7 18.6 0.1
LESS 40 60 65 75 80 85 100 115 120 60 65 70 75 80 85 90 95 100 105 100 105	LESS	10	20	30 0.3 0.1 0.1 0.5 AIRSPE 30	40 0.8 0.3 0.5 1.0 0.8 1.4 2.7 10.8 26.7 ED BY 40 0.3 0.6 0.9 2.7 17.0.8	0.3 0.3 WEIGHT 50 0.6 0.2 0.2	29000,	70 BY AL	80 FITUDE	90 5000				0.8 0.6 0.5 1.0 0.8 2.7 18.6 0.8 0.1
LESS 400 600 655 75 800 605 75 80 60 65 75 80 85 90 95 100 115 120 100 115 120 100 105 110 110 110 110 110 110 110 11	LESS	10	20	30 0.3 0.1 0.1 0.5 AIRSPE 30	40 0.8 0.3 0.5 1.0 0.8 1.4 2.7 10.8 26.7 ED BY 40 0.3 0.6 0.9 2.7 17.0.8	0.3 0.3 WEIGHT 50 0.6 0.2 0.2	29000,	70 BY AL	80 FITUDE	90 5000				0.8 0.6 0.5 1.0 0.8 1.6 2.7 18.6 0.1
LESS 400 603 775 800 853 100 115 120 SUM	LESS	10	20	30 0.3 0.1 0.1 0.5 AIRSPE 30	40 0.8 0.3 0.5 1.0 0.8 1.4 2.7 10.8 26.7 ED BY 40 0.3 0.6 0.9 2.7 17.0.8	0.3 0.3 WEIGHT 50 0.6 0.2 0.2	29000,	70 BY AL	80 FITUDE	90 5000				0.8 0.6 0.5 1.0 0.8 1.6 2.7 18.6 0.1
LESS 400 600 655 75 800 605 75 80 60 65 75 80 85 90 95 100 115 120 100 115 120 100 105 110 110 110 110 110 110 110 11	LESS	10	20	30 0.3 0.1 0.1 0.5 AIRSPE 30	40 0.8 0.3 0.5 1.0 0.8 1.4 2.7 10.8 26.7 ED BY 40 0.3 0.6 0.9 2.7 17.0.8	0.3 0.3 WEIGHT 50 0.6 0.2 0.2	29000,	70 BY AL	80 FITUDE	90 5000				0.8 0.6 0.5 1.0 0.8 1.6 2.7 18.6 0.1

TABLE	XLIII	-	Cor	ıtiny	ıed
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	MINUTES	FOR TORG	DUEL VS	AIRSPE	ED BY W	EIGHT	29000,	BY AL	TITUDE	SUM				
LESS 40 60 65 70 75 80 85 90 100 115 110 115		10 0.6 0.4 0.3 0.2 0.2 0.2	20 0.9 0.2 0.8 0.1 1.0 1.4 0.4	30 8.4 0.6 0.3 0.1 0.8 1.7 2.2 4.0 7.0 3.6 3.0	40 11.6 1.0.9 0.7 1.8 3.8 9.3 25.9 2.9 3.9 0.2	50 5.0 0.5 1.3 0.4 0.8 1.1 1.5 0.2	60 2.5 0.2 0.3 0.6 0.3 0.2	70 2.6 0.2 0.1 0.2 0.1 0.3 0.1	80	90	100	110	120	SUM 32.0 3.3 3.2 2.8 3.8 5.9 9.2 13.5 33.4 6.6
1	MINUTES	FOR TORG	UE2 VS	AIRSPE	ED 87 W	EIGHT	29000.	BY AL	TITUDE	SUM		•		
LESS 40 60 65 70 75 80 85 90 95 100 105 110	0.5 0.2 0.1 0.4 0.5	10 1.4 0.1 0.8 0.3 0.5 0.3	20 4-1 1-5 2-1 0-4 0-2	30 6.5 0.1 0.2 0.4 1.8 2.0 1.7 2.0 0.6	40 10.4 1.4 1.3 0.6 1.5 1.1 3.1 10.6 27.2 5.7 6.8 0.2	50 5.3 1.0 0.4 0.6 0.4 1.1 0.5 3.0	60 3 · 8 0 · 3 0 · 5 0 · 8 0 · 6 0 · 3 0 · 3 0 · 3	70 0.4	80	90	100	110	120	SUM 32.0 3.3 2.8 3.8 5.9 2 13.5 33.4 6.6 6.8
SUM	3.1	3.4	8.5	15.3	69.9	13.7	6.7	0.4						121.0
	MINUTES	FOR TORK	QUE1 VS	ATRSPE	ED 84 W	EIGHT	31000,	BY AL	TITUDE	LESS				
														•
	1555	10	20	30	40	50	60	70	80	90	100	110	120	SUM
LESS 40 60 65 70 75 80 85 90 105 110 115 120		10	20	30	40	1.3	0.0	70	80	90	100	110	120	SUM 1-4
40 60 65 70 75 80 85 95 100 105 110 115 120		10				1.3	0.0		80 TITUDE	90	100	110	120	1.4
40 60 65 70 75 80 85 95 100 105 110 115 120	MINUTES LESS					1.3	0.0				100	110	120	1.4

### TABLE XLIII - Continued

	MINUTES	FOR TOR	QUE1 VS	AIRSPE	ED BY W	EIGHT	31000,	BY A	LTITUDE	1000				
LESS 40 60 65 70 75 80 85 90 105 110 115		10	20	30 0.5	40 7.6	50 3.4 0.6	60	70 1-1	8U 0+2	90	100	110	120	SUM 15.0 0.6
SUM		0.1	0-4	0.5	7.6	4.0	1.7	1.1	C-2					15.6
	MINUTES	FOR TOR				EIGHT	31000.		LTITUDE	1000				
LESS 40 60 65 70 75 80 85 90 95 100 105 110		10	20	30 5-6 0-6	40 4-2	50 3.4	60	70	80	90	100	110	120	SUM 15.0 0.6
SUM		0.0	0.2	6.2	4.2	3.4	1.5	0.0						15.6
	MINUTES	FOR TOR	QUE1 VS	AIRSPE	ED BY W	EIGHT	31000,	BY AL	ACUTIT.	2000				
LESS 40 60 65 70 75 80 85 90 90 105 110 115	0.4 0.7 0.4 0.2 0.2 0.7 0.1	10 0.3 0.8 0.4	20 0.8 1.2 0.2 0.7	30 7.8 13.2 8.8 0.7 0.2 0.2 0.3	40 19.6 2.3 9.2 0.6 0.4	50 7.9 3.0 0.3	60 4-0 0-5	70 3.2	80 0.4	90	100	110	120	SUM 44.4 21.8 19.2 2.0 0.8 0.3 1.0 0.7
SUM	2.7	2.0	2.9	31.1	32.1	11.1	4.3	3.2	0.4					90.1
I	MINUTES	FOR TOR	DUES AR	AIRSPE	ED BY W	EIGHT	31000,	BY AL	TITUDE	2000				
LESS 40 60 65 70 75 80 85 90 95 100 105	LESS 0-1 0-1	10 0.4 0.3 0.4	20 3-7 1-3 0-6 0-1 0-1	30 12.0 3.1 0.6 0.9 0.3 0.2 1.0 0.7	40 15-4 13-0 16-6 0-7	50 8.3 2.4 0.8 0.2 0.4	60 3.5 1.5 0.2	70 0.4	●0 0-6	90	100	110	120	SUM 44.4 21.8 19.2 2.0 0.8 0.3 1.0 0.7 0.1
115 120 SUM	0.2	1.1	5.9	18.8	45.8	12.2	5.2	0.4	C.,					90.1

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0550 BV	METCHT	31000		A4 E E E E E E E E E E

1	MINUTES F	OR TOR	OUE1 A2	AIRSPEE	D 8Y I	WEIGHT	31000,	BY AL	111UJE	5000				
	LESS	10	20	30	40	50	60	70	80	90	100	110	120	SUM
LESS 40				2.8	0.4	1.5								4.8
60			0.4	2.0	0.6	1.5								1.0
65				0.8	0.3									1.1
70			0.1	5.3 6.9	1.3									6.6 7.0
75 80			0.1	0.3										0.5
85			0.2											0.2
90														
95 100														
105														
110														
115														
SUM			0.8	16.2	2.6	1.5								21.1
1	MINUTES F	OR TOR	QUE2 VS	AIRSPEE	D 8Y	WEIGHT	31000.	BY AL	TITUDE	5000				
		10	20	30	40	50	60	70	80	90	100	110	120	SUM
LESS	LESS	10	20	30	40	,,	•			•		•••	•••	
40				3.2	1.2	0.3								4.8
60			0.4		0.5	0.1								1.1
65 70					6.6	0.3								6.6
75				1.8	5.3									7.0
80				0.5										0.5
90				0.2										•••
95														
100														
105 110														
115														
120			0.4	5.6	14.5	0.7								21-1
SUM														
						HERCHT								
	MINUTES P	OR TOR	QUE1 VS	AIRSPEE	.0 61	METONI	31000.	ST AL	TITUUE	SUM				
	LESS	10	20	30	40	50	60	70	80	90	100	110	120	SUM
LESS	LESS 0.4	10	20 1.2	30 8.2	40 27-2	50 12.6	60 5.7				100	110	120	60.7
LESS 40	LESS 0.4 0.7	10 0.4 0.8	20 1.2 1.2	30 8.2 16.1	40 27.2 2.7	50 12.6 5.1	60	70	80		100	110	120	60.7 27.1
LESS 40 60	0.4 0.7 0.4	10	20 1.2	30 8.2 16.1 8.8 1.5	40 27-2 2-7 9-8 0-8	50 12.6	60 5.7	70	80		100	110	120	60.7
LESS 40 60 65	LESS 0.4 0.7	10 0.4 0.8	20 1.2 1.2 0.5 0.7	30 8.2 16.1 8.8 1.5	40 27-2 2.7 9.8 0.8 1.7	50 12.6 5.1	60 5.7	70	80		100	110	120	60.7 27.1 20.2 3.1 7.4
LESS 40 60 65 70	LESS 0.4 0.7 0.4	10 0.4 0.8 0.4	20 1.2 1.2 0.5 0.7	30 8.2 16.1 8.8 1.5 5.5 7.1	40 27-2 2-7 9-8 0-8	50 12.6 5.1	60 5.7	70	80		100	110	120	60.7 27.1 20.2 3.1 7.4 7.3
LESS 40 60 65 70 75 80	LESS 0.4 0.7 0.4 0.2 0.2 0.7	10 0.4 0.8	20 1.2 1.2 0.5 0.7	30 8.2 16.1 8.8 1.5	40 27-2 2.7 9.8 0.8 1.7	50 12.6 5.1	60 5.7	70	80		100	110	120	60.7 27.1 20.2 3.1 7.4
LESS 40 60 65 70 75 80 85	LESS 0.4 0.7 0.4 0.2	10 0.4 0.8 0.4	20 1.2 1.2 0.5 0.7	30 8.2 16.1 8.8 1.5 5.5 7.1	40 27-2 2.7 9.8 0.8 1.7	50 12.6 5.1	60 5.7	70	80		100	110	120	60.7 27.1 20.2 3.1 7.4 7.3
LESS 40 60 65 70 75 80 85 90	LESS 0.4 0.7 0.4 0.2 0.2 0.7	10 0.4 0.8 0.4	20 1.2 1.2 0.5 0.7	30 8.2 16.1 8.8 1.5 5.5 7.1	40 27-2 2.7 9.8 0.8 1.7	50 12.6 5.1	60 5.7	70	80		100	110	120	60.7 27.1 20.2 3.1 7.4 7.3 1.4
LESS 40 60 65 70 75 80 85 90 95	LESS 0.4 0.7 0.4 0.2 0.2 0.7	10 0.4 0.8 0.4	20 1.2 1.2 0.5 0.7	30 8.2 16.1 8.8 1.5 5.5 7.1	40 27-2 2.7 9.8 0.8 1.7	50 12.6 5.1	60 5.7	70	80		100	110	120	60.7 27.1 20.2 3.1 7.4 7.3 1.4
LESS 400 605 700 75 80 85 90 95 1005	LESS 0.4 0.7 0.4 0.2 0.2 0.7	10 0.4 0.8 0.4	20 1.2 1.2 0.5 0.7	30 8.2 16.1 8.8 1.5 5.5 7.1	40 27-2 2.7 9.8 0.8 1.7	50 12.6 5.1	60 5.7	70	80		100	110	120	60.7 27.1 20.2 3.1 7.4 7.3 1.4
LESS 40 60 70 75 80 95 100 105	LESS 0.4 0.7 0.4 0.2 0.2 0.7	10 0.4 0.8 0.4	20 1.2 1.2 0.5 0.7	30 8.2 16.1 8.8 1.5 5.5 7.1	40 27-2 2.7 9.8 0.8 1.7	50 12.6 5.1	60 5.7	70	80		100	110	120	60.7 27.1 20.2 3.1 7.4 7.3 1.4
LESS 400 605 700 75 80 85 90 95 1005	LESS 0.4 0.7 0.4 0.2 0.2 0.7	10 0.4 0.8 0.4	20 1.2 1.2 0.5 0.7	30 8.2 16.1 8.8 1.5 5.5 7.1	40 27-2 2.7 9.8 0.8 1.7	50 12.6 5.1	60 5.7	70	80		100	110	120	60.7 27.1 20.2 3.1 7.4 7.3 1.4
LESS 40 60 65 70 75 80 85 95 100 105 115 120 SUM	LESS 0.4 0.7 0.4 0.2 0.2 C.7 0.1	10 0.4 0.8 0.4	20 1-2 1-2 0-5 0-7 0-1 0-1 0-2	30 8-2 16-1 8-8 1-5 5-5 7-1 0-6	40 27-2 2-7 9-8 0-8 1-7 0-1	50 12.6 5.1 0.3	60 5.7 0.5	70 4.3	80 0.5 C.6	90	100	110	120	60-7 27-1 20-2 3-1 7-4 7-3 1-4 0-8 0-1
LESS 40 60 65 70 75 80 85 95 100 105 115 120 SUM	LESS 0.4 0.7 0.4 0.2 0.2 0.7 0.1	10 0.4 0.8 0.4 0.5	20 1.2 1.2 0.5 0.7 0.1 0.1 0.2	30 8.2 16.1 8.8 1.5 5.5 7.1 0.6	40 27-2 2-7 9-8 0-8 1-7 0-1	50 12.6 5.1 0.3 17.9	6-3 31000,	70 4.3 4.3	80 0.5 C.6 Titude	90 SUM				60-7 27-1 20-2 3-1 7-4 7-3 1-4 0-8 0-1
LESS 400 600 650 750 800 855 1000 1055 1100 1155 1200 SUM	LESS 0.4 0.7 0.4 0.2 0.2 0.7 0.1	10 0.4 0.8 0.4 0.5	20 1.2 1.2 0.5 0.7 0.1 0.1 0.2	30 8.2 16.1 8.8 1.5 5.5 7.1 0.6	40 27-2 2-7 9-8 0-8 1-7 0-1	50 12.6 5.1 0.3 17.9 WEIGHT	6.3 31000,	70 4.3 4.3 6Y AL	80 0.5 C.6 TITUDE	90	100	110	120	60-7 27-1 20-2 3-1 7-4 7-3 1-4 0-8 0-1
LESS 400 600 600 775 800 905 1100 1155 1200 SUM	LESS 0.4 0.7 0.4 0.2 0.2 0.7 0.1	10 0.4 0.8 0.4 0.5	20 1.2 1.2 0.5 0.7 0.1 0.1 0.2	30 8.2 16.1 8.8 1.5 5.5 7.1 0.6 47.8 AIRSPEE 30 18.8 6.8	42-4 D 8Y	17.9 MEIGHT 50 11.7	6-3 31000.	70 4.3 4.3	80 0.5 C.6 Titude	90 SUM				60-7 27-1 20-2 3-1 7-4 7-3 1-4 0-8 0-1
LESS 400 600 650 755 800 855 100 1155 1200 SUM	LESS 0.4 0.7 0.4 0.2 0.2 C.7 0.1	10 0.4 0.8 0.4 0.5	20 1.2 1.2 0.5 0.7 0.1 0.2 4.1 90E2 VS	30 8.2 16.1 8.8 1.5 5.5 7.1 0.6 47.8 AIRSPEE 30 18.8 6.8 0.6	42-4 D BY 14-2 17-2 17-2 17-2 17-2	50 12.6 5.1 0.3 17.9 WEIGHT 50 11.7 2.8	6-3 31000,	70 4.3 4.3 6Y AL	80 0.5 C.6 TITUDE	90 SUM				60-7 27-1 20-2 3-1 7-4 7-3 1-4 0-8 0-1
LESS 400 600 650 750 850 950 1000 1055 1200 SUM	LESS 0.4 0.7 0.4 0.2 0.2 C.7 0.1	10 0.4 0.8 0.4 0.5	20 1.2 1.2 0.5 0.7 0.1 0.1 0.2 4.1 20 3.9 1.3 1.0 0.1	30 8.2 16.1 8.8 1.5 7.1 0.6 47.8 AIRSPEE 30 18.8 6.8 0.9	42-4 42-4 42-4 42-4 43 17-2 1-5	50 12.6 5.1 0.3 17.9 MEIGHT 50 11.7 2.8 0.8	6-3 31000.	70 4.3 4.3 6Y AL	80 0.5 C.6 TITUDE	90 SUM				60-7 27-1 20-2 3-1 7-4 7-3 1.4 0-8 0-1 128-2 SUM 60-7 27-1 20-2 3-1
LESS 40 60 65 70 75 110 115 120 SUM	LESS 0.4 0.7 0.4 0.2 0.2 C.7 0.1	10 0.4 0.8 0.4 0.5	20 1.2 1.2 0.5 0.7 0.1 0.2 4.1 90E2 VS	30 8.2 16.1 8.8 1.5 5.5 7.1 0.6 47.8 AIRSPEE 30 18.8 6.8 0.6 0.9 2.0	42-4 D BY 14-2 17-2 17-2 17-2 17-2	50 12.6 5.1 0.3 17.9 WEIGHT 50 11.7 2.8	6-3 31000.	70 4.3 4.3 6Y AL	80 0.5 C.6 TITUDE	90 SUM				60-7 27-1 20-2 3-1 7-4 7-3 1-4 0-8 0-1
LESS 400 600 755 800 855 100 105 120 SUM	LESS 0.4 0.7 0.4 0.2 0.2 C.7 0.1	10 0.4 0.8 0.4 0.5	20 1.2 1.2 0.5 0.7 0.1 0.1 0.2 4.1 20 3.9 1.3 1.0 0.1	30 8.2 16.1 8.8 1.5 5.5 7.1 0.6 47.8 AIRSPEE 30 18.8 6.8 0.9 0.3 2.0 1.4	42-4 D BY 14-3 17-2 1-5 6-6	50 12.6 5.1 0.3 17.9 MEI GHT 50 11.7 2.8 0.8 0.8	6-3 31000.	70 4.3 4.3 6Y AL	80 0.5 C.6 TITUDE	90 SUM				50.7 27.1 20.2 3.1 7.4 7.3 1.4 0.8 0.1 128.2 SUM 60.7 27.1 20.2 3.1 7.4 7.3 1.4
LESS 400 600 755 800 855 1200 SUM	LESS 0.4 0.7 0.4 0.2 0.2 C.7 0.1	10 0.4 0.8 0.4 0.5	20 1.2 1.2 0.5 0.7 0.1 0.1 0.2 4.1 20 3.9 1.3 1.0 0.1	30 8.2 16.1 8.8 1.5 7.1 0.6 47.8 AIRSPEE 30 18.8 6.8 0.9 0.3 2.0	42-4 D BY 14-3 17-2 1-5 6-6	50 12.6 5.1 0.3 17.9 MEI GHT 50 11.7 2.8 0.8 0.8	6-3 31000.	70 4.3 4.3 6Y AL	80 0.5 C.6 TITUDE	90 SUM				50.7 27.1 20.2 3.1 7.4 7.3 1.4 0.8 0.1 128.2 SUM 60.7 27.1 20.2 3.1 7.4 7.3 1.4 0.8
LESS 400 600 650 700 755 100 1155 1200 SUM	LESS 0.4 0.7 0.4 0.2 0.2 C.7 0.1	10 0.4 0.8 0.4 0.5	20 1.2 1.2 0.5 0.7 0.1 0.1 0.2 4.1 20 3.9 1.3 1.0 0.1	30 8.2 16.1 8.8 1.5 5.5 7.1 0.6 47.8 AIRSPEE 30 18.8 6.8 0.9 0.3 2.0 1.4	42-4 D BY 14-3 17-2 1-5 6-6	50 12.6 5.1 0.3 17.9 MEI GHT 50 11.7 2.8 0.8 0.8	6-3 31000.	70 4.3 4.3 6Y AL	80 0.5 C.6 TITUDE	90 SUM				50.7 27.1 20.2 3.1 7.4 7.3 1.4 0.8 0.1 128.2 SUM 60.7 27.1 20.2 3.1 7.4 7.3 1.4
LESS 400 650 70 755 80 855 90 95 120 855 90 95 120 85 90 95 100 85 90 95 100 85 90 90 90 90 90 90 90 90 90 90 90 90 90	LESS 0.4 0.7 0.4 0.2 0.2 C.7 0.1	10 0.4 0.8 0.4 0.5	20 1.2 1.2 0.5 0.7 0.1 0.1 0.2 4.1 20 3.9 1.3 1.0 0.1	30 8.2 16.1 8.8 1.5 7.1 0.6 47.8 AIRSPEE 30 18.8 6.8 0.9 0.3 2.0	42-4 D BY 14-3 17-2 1-5 6-6	50 12.6 5.1 0.3 17.9 MEI GHT 50 11.7 2.8 0.8 0.8	6-3 31000.	70 4.3 4.3 6Y AL	80 0.5 C.6 TITUDE	90 SUM				50.7 27.1 20.2 3.1 7.4 7.3 1.4 0.8 0.1 128.2 SUM 60.7 27.1 20.2 3.1 7.4 7.3 1.4 0.8
LESS 400 600 650 775 800 855 900 905 1100 1155 1200 5UM	LESS 0.4 0.7 0.4 0.2 0.2 C.7 0.1	10 0.4 0.8 0.4 0.5	20 1.2 1.2 0.5 0.7 0.1 0.1 0.2 4.1 20 3.9 1.3 1.0 0.1	30 8.2 16.1 8.8 1.5 7.1 0.6 47.8 AIRSPEE 30 18.8 6.8 0.9 0.3 2.0	42-4 D BY 14-3 17-2 1-5 6-6	50 12.6 5.1 0.3 17.9 MEI GHT 50 11.7 2.8 0.8 0.8	6-3 31000.	70 4.3 4.3 6Y AL	80 0.5 C.6 TITUDE	90 SUM				50.7 27.1 20.2 3.1 7.4 7.3 1.4 0.8 0.1 128.2 SUM 60.7 27.1 20.2 3.1 7.4 7.3 1.4 0.8
LESS 400 650 70 755 80 855 90 95 120 855 90 95 120 85 90 95 100 85 90 95 100 85 90 90 90 90 90 90 90 90 90 90 90 90 90	LESS 0.4 0.7 0.4 0.2 0.2 C.7 0.1	10 0.4 0.8 0.4 0.5	20 1.2 1.2 0.5 0.7 0.1 0.1 0.2 4.1 20 3.9 1.3 1.0 0.1	30 8.2 16.1 8.8 1.5 7.1 0.6 47.8 AIRSPEE 30 18.8 6.8 0.9 0.3 2.0	42-4 D BY 14-3 17-2 1-5 6-6	50 12.6 5.1 0.3 17.9 MEI GHT 50 11.7 2.8 0.8 0.8	6-3 31000.	70 4.3 4.3 6Y AL	80 0.5 C.6 TITUDE	90 SUM				50-7 27-1 20-2 3-1 7-4 7-3 1.4 0-8 0-1 128-2 SUM 60-7 27-1 20-2 3-1 7-4 7-3 1-4 0-8
LESS 400 600 655 700 755 800 855 700 955 1100 1151 1251 1251 1251 1251 1251 12	LESS 0.4 0.7 0.4 0.2 0.2 C.7 0.1	10 0.4 0.8 0.4 0.5	20 1.2 1.2 0.5 0.7 0.1 0.1 0.2 4.1 20 3.9 1.3 1.0 0.1	30 8.2 16.1 8.8 1.5 7.1 0.6 47.8 AIRSPEE 30 18.8 6.8 0.9 0.3 2.0	42-4 D BY 14-3 17-2 1-5 6-6	50 12.6 5.1 0.3 17.9 MEI GHT 50 11.7 2.8 0.8 0.8	6-3 31000.	70 4.3 4.3 6Y AL	80 0.5 C.6 TITUDE	90 SUM				50.7 27.1 20.2 3.1 7.4 7.3 1.4 0.8 0.1 128.2 SUM 60.7 27.1 20.2 3.1 7.4 7.3 1.4 0.8

TABLE XLIII - Continued  MINUTES FOR TORQUEL VS AIRSPEED BY MEIGHT 33000, BY ALTITUDE LESS															
	MINUTES	FOR	TORQUE	VS A	AIRSPEED	87 W	EIGHT	33000,	BY AL	TITUDE	LESS				
LESS 40 60 65 70 75 80 85 90			10	20	30	40	50 0.6		70	80	90	100	110	120	SUM 1-1
105 110 115 120 SUM		FOR	TORQUEZ	VS A	IRSPEED	0.5 BY W	0.6 EIGHT	33000,	BY AL1	TITUDE	LESS				1.1
	LESS	-		20	30	40	50	60	70	80	90	100	110	120	SUM
LESS 40 65 70 75 80 85 90 100 105 110 115 120 SUM					0.2	1.0									1.1
	INUTES	FOR	TORQUEL	VS A	IRSPEED	BY W	EIGHT	33000.	BY ALT	ITUDE	1000				
LESS 40 60 65 70 75 80 85 90 95 100 105 110	LESS			20	30 3-1	40 6.8 0.3	50 2 • 1	60 2.3	70 0-1	80	90	100	110	120	SUM 15-2 0-3
120 SUM			0.	. 8	3.1	7.1	2-1	2.3	0.1						15.5
•	INUTES	FOR	TORQUE2	VS A	IRSPEED	BY WE	I GHT	33000,	BY ALT	1 TUDE	1000				
LESS 40 60 65 70 75 80 85 90 95	0.3		10 ; -7 1;	20	30 6.7	40 5.7	50 0.6	60	70	60	90	100	110	120	SUM 15.2 0.3
105 110 115 120 SUM	0.3	o	.7 1.	.0	6.7	5.7	0.6	0.4							15.5

				TA	BLE	XLII	I - Co	ntinu	ed					
1	MINUTES F	OR TOR	QUE1 VS	AIRSPE	ED BY W	EIGHT	33000,	BY AL	TITUUE	2000	)			
LESS 40 60 65 70 75 80 85 90 95 100 105	LESS 0-2 1-3 0-3 0-1 0-8 0-7	10 0.6 0.8 0.6 0.1 0.4 0.5	20 0-2 0-8 0-4 0-6 2-3 0-7 0-4 0-3	30 6.1 6.0 0.4 16.1 16.9 7.2 1.7	40 6.8 10.1 2.2 4.9 15.1 11.1 3.6 0.3	50 7.0 2.6 0.5 2.0 1.7 0.3	60 4.4 2.8 0.7 0.6 0.1	70 0.9 0.2	60	90	100	110	120	SUM 26.0 24.5 4.5 22.8 37.6 21.0 7.3 1.3 0.1
120 SUM	3.9	3.1	5.6	54.4	54.0	14-1	8.8	1.0		0.1				145.1
	INUTES F						33000,		TITUDE	2000				
LESS 40 60 67 70 75 80 85 90 95 100	LESS 0.6	10 0.8 0.5 0.8	20 6-1 8-9 0-4 3-6 4-5 0-4	30 6.7 7.4 1.1 6.5 20.6 8.5 3.8 0.5	40 8.4 4.6 1.3 9.1 11.2 11.0 3.0	50 3.9 2.0 1.1 0.3 0.9 1.2	60 0.1 0.2 0.1 0.6	70	<b>6</b> 0 0•0	90	100	110	120	SJM 26-0 24-5 4-5 22-8 37-6 21-0 7-3 1-3 0-1
115			94.4	57.0	48.8	9.8	0.9	0.9	0.0					145.1
SUM	0.6 HINUTES F	2.5	24-6		11475-0	1 19				•				143.1
							33000,		TITUDE	SUM				
LESS 400 600 655 700 755 800 855 900 1005 1100 115	LESS 0.2 1.3 0.3 0.1 0.8 0.7	0.6 0.8 0.6 0.1 0.4	20 0.9 0.8 0.4 0.6 2.3 0.7 0.4	30 9.2 6.0 0.4 16.1 16.9 7.2 1.7	40 14.1 10.4 2.2 4.9 15.1 11.1 3.6 0.3	50 9.7 2.6 0.5 2.0 1.7 0.3	60 6.7 2.8 0.7 0.6 0.1	70 1.0 0.2	80	90	100	110	120	SUM 42-3 24-8 4-5 22-8 37-6 21-0 7-3 1-3 0-1
120 SUM	3.9	3.1	6.4	57.6	61.7	16.8	11.1	1-1		0.1				161-7
	INUTES F	OR TORG	QUE2 VS	AIRSPE	ED BY WI	EIGHT	33000,	BY AL	TITUDE	SUP				
LESS 400 65 70 75 80 85 100 105 110 115 1120	C.9	10 0.7 0.8 0.5 0.8 0.4	20 7.1 8.9 0.4 3.6 4.5 0.4 0.2	30 13.5 7.4 1.1 8.5 20.6 8.5 3.8 0.5	40 15.1 4.6 1.3 9.1 11.2 11.0 3.0	50 4.6 2.0 1.1 0.3 0.9 1.2 0.3	60 0.4 0.2 0.1 0.6	70 0.9	80 0.0	90	100	110	120	SUM 42.3 24.8 4.5 22.8 21.0 7.3 1.3 0.1

				TAE	BLE	XLII	I - Co	ntinu	eċ					
м	INUTES	FOR TORG	OUEL VS						TITUDE	LESS				
LESS 40 60 65 70 75 80 85 90 95 100 105	LESS	10	20 0.1 0.1 0.1	30	<b>40</b> 0.3	50 0.1	60 0 • 1	70 0.3	ŧυ	90	100	1.0	150	SUM U.8 0.1 0.1
115														
SUM			0.2		0.3	0.1	0.1	0.3						0.9
M	INUTES	FOR TORK	OUES AR	AIRSPEE	D BY WI	EIGHT	35000,	BY AL	TITUUF	LESS				
LESS 40	LESS	10 0.1	20	30	40 0.3	50 0.2	60 0.3	70	80	90	100	110	120	SUM 0.8 0.1
60 65 70 75 80 85 90 95 100 105 110		0.1	0.1											0.1
SUM		0.1	0.1		0.3	0.2	0.3							0.9
•	INUTES	FOR TORG	OUEL VS	AIRSPEE	D PY WI	EIGHT	35000,	BY AL	TITUDE	1000				
LESS	LESS	10	20 0.2	30 0.1	40	50	60	70	80	90	100	1.0	120	SUM
40 65 70 75 80 85 90 95 100 115 110	0.1	0.1	0.1 1.3 0.3 0.8	0.6 0.4 0.4 0.5	1.3	0.5	3-1	0.8						5.9 1.5 0.5 1.8 0.3
SUM	0.1	0.1	2.6	2.0	1.3	0.5	3.8	0.8						11.2
1	MINUTES	FOR TOR	QUE2 VS	AIRSPEE	D 84 M	EIGHT	35000,	BY AL	TITUDE	1000				
LESS 40 60 65 70 75 80 85 90 95 105 110		10	20 0.3 0.4 1.3 0.3 0.5	30 1.0 0.3 0.2 0.5	40 3.3 0.2 0.3	50 0.9 0.6	60 0.4 0.2	70	80	90	100	110	120	SUM 5.9 1.5 0.4 0.5 1.8 0.3 0.8
115 120 SUM			2.8	2.5	3.8	1.5	0.6							11.2

				TA	BLE	XLII	I <b>-</b> Co	ntinu	ed					
	MINUTES	FOR TOR	QUEL VS	AIRSPE	D 84 H	EIGHT	35000,	BY AL	TITUUE	2000	C			
LESS 40 60 65 70 75 80 85 90 95 100 105	1.1 0.6 0.7 0.5	10 1.4 1.4 1.1 0.9 0.1	20 0.2 2.8 2.5 3.7 2.3 2.4 1.9 1.2	30 5-1 7-0 4-6 15-6 5-8 4-2 1-5 1-2	40 6.9 13.5 9.4 19.8 15.1 6.6 2.3 0.2	50 4.4 5.5 0.9 11.5 2.1 0.9	60 7.8 2.7 2.1 0.8 0.2	70 2.8 3.1 0.4	80	90	100	110	120	SUM 27-3 37-0 21-8 53-2 27-1 14-3 5-7 2-6 0-3
120 SUM	2.9	5.0	17.1	45.0	73.9	25.3	13.7	6.4						189.4
1	MINUTES	FOR TOR	QUE2 VS	AIRSPEE	D 8Y W	EIGHT	35000,	BY AL	3CUT11	2000	1			
LESS 40 60 65 70 75 80 85 90 95 100	LESS 0.4 0.1 0.2 0.2 0.1	10 0.3 0.8 0.2 0.6	20 1-8 3-0 2-5 2-4 0-7 1-0 0-6 0-3	30 5.2 18.6 7.6 14.5 7.1 6.1 3.0 1.6	40 8.3 5.8 6.0 29.6 17.0 5.9 2.1	50 6-3 5-9 3-4 5-2 1-9 1-3	60 3.6 1.4 2.2 0.9	70 2.0 0.8	80	90	100	110	120	SUM 27.3 37.0 21.8 53.2 27.1 14.3 5.7 2.6 0.3
120 SUM	0.9	1.9	12.5	63.9	75.4	23.9	8.0	2.8						189.4
	INUTES F	OR TOR	QUE1 VS	AIRSPEE	D 84 W	EIGHT	35000,	BY AL	TITUSE	5000				
LESS 40 60	LESS	10	20	30 0.1	40	50	60	70	80	90	100	110	120	SUM 0.7
85 70 75 80 85 90 95 100 105 110					0.5	2.0								2.0 0.7 0.3
SUM				0.1	1.4	2.2								3.7
•	INUTES F	OR TORG	DUES A2	AIRSPEE	D BY WE	I GHT	35000,	BY ALT	ITUDE	5000				
LESS	LESS	10	20	30	40	50	60	70	80	90	100	110	120	SUM
40 60 65 70 75 80 85 90				2.0 0.7 0.3	0.1	0.6								0.7 2.0 0.7 0.3
100														

				TA	BLE	XLI	II - C	ontinu	ıed					
#	INUTES	FOR TOR	QUE1 VS	AIRSPE	ED 87 WE	EIGHT	35000.	BY AL	TITUUE	SUP				
LESS 40 60 65 70 75 60 85 90 95 100 105 110	1.2 0.6 0.7 0.5	10 1.5 1.4 1.1 0.9 0.1	20 0.4 2.8 2.5 3.9 3.6 2.7 2.7 1.2	30 5.3 7.5 5.1 16.0 6.3 4.2 1.5	40 8.5 13.5 10.0 19.8 15.6 6.9 2.3 0.2 0.1	50 5.0 5.5 0.9 13.5 2.3 0.9	60 11.0 3.5 2.1 0.8 0.2	70 3.9 3.1 0.4	80	90	100	110	120	SUM 34-0 38-6 73-0 55-8 29-6 14-8 6-4 2-6 0-3
120 SUM	3.0	5.1	19.9	47.2	76.9	28.1	17.6	7.4						205.2
H	INUTES	FOR TOR	QUE2 VS	AIRSPE	ED 87 W	EIGHT	35000,	BY AL	TITUOE	Sur	1			
LESS 40 60 65 70 75 80 85 90 95 100 110 115	0.4 0.1 0.2 0.2 0.1	10 0.3 0.9 0.3 0.6	20 2.1 3.4 2.5 2.5 2.0 1.3 1.1 0.3	30 6.2 19-1 7.8 16.7 8.3 6.4 3.2 1.6	40 11.8 5.8 6.3 29.9 17.0 5.9 2.1	50 7.4 6.5 3.9 5.2 1.9	60 4.2 1.6 2.2 0.8 0.1	70 2.0 0.8	80	90	100	110	120	SUM 34.0 38.6 23.0 55.8 29.6 14.8 6.4 2.6 0.3
120 SUM	0.9	2.0	15.4	69.4	79.6	26.2	8.9	2.8						205.2
			QUE1 VS				36000,		30011	LESS				
LESS 40 60 65 70 75 80 85	LESS	10	20	30 1.0	40 0.3	50 0.1	60	70 0.7	80	90	100	110	120	SUM 2-3
90 95 100 105 110 115 120 SUM	*INUTES	FOR TO	RQUE2 VS	1.0	0.3 ED 87 W	0.1 JEIGHT	0.2 36000,	0.7 By AL	TITUDE	LESS	i			2.3
	LESS			30	40	50		70	80	90	100	110	120	SUM
LESS 40 60 65 70 75 80 85 90 95 100 105 110 115 120 SUM				0.3	1.3		0.7							2.3

							III - C							
M	INUTES	FOR TOR	QUEL VS	AIRSP	EED BY	WEIGHT	36000,	BY A	LTITUDE	1000				
40 60 65 70 75 80 85 90 95 100 105	0.6 0.0	10	20 0.4	30 0.8 1.2 0.6 0.8 0.2	40 1-1 1-7 0-1 0-1	50 3.1 1.7 0.8 0.1 0.3	5.8 0.2 0.5	70 1.4	80 C.3	90	100	110	120	SUM 13.0 5.4 2.0 0.7 1.2 0.2
120 SUM	0.6		0.4	3.7	3.0	6.0	7.0	1.4	0.3					22.4
		FOR TOR			ED BY	EIGHT	36000,	BY AL	TITUJE	1000				
LESS 40 60 65 70 75 80 85 90 100	LESS 0.5	10 0-1 0-1 0-1 0-1	20 0.2 1.5 0.1	30 2.0 0.6 0.9 0.3 1.1	40 6.8 2.5	50 1.9 0.1	60 1.9 0.3 0.7 0.2	70	80	90	100	110	120	SUM 13.0 5.4 2.0 0.7 1.2 0.2
110 115 120 Sum	0.5	0.4 FOR TOR	2.0 QUE1 VS	5-1 AIRSPE	9.3 ED 8Y k	2.0 HEIGHT	3.1 36000,	BY AL	.TITUDE	2000				22.4
	LESS	10	20	30	40	50	60	70	80	90	100	110	120	SUM
LESS 40 60 65 70 75 80 85 90 95 100 105 110 115	3.6 1.7 0.5 0.5 0.4	4.7 1.3 0.5 1.2 0.4 0.3	1.5 4.9 3.5 2.9 2.5 1.2 1.1 0.4	2-1 12-9 5-3 6-7 14-4 6-0 2-3 0-2 0-1	8.5 28.2 25.1 24.6 30.0 21.2 2.9 0.7 0.4	9.4 17.4 10.7 30.8 15.6 14.4 1.6	7.8 8.9 3.9 1.2 2.2 2.6 0.2	3.8 1.5 0.3	C.2					33.2 82.2 51.7 67.1 66.4 46.1 8.4 1.5 0.5
SUM	6.6	8.4	18.0		141.7		26.7	5.5	0.2					357.2
M		FOR TOR			ED BY	EIGHT	36000,	SY AL	TITUDE	2000				
LESS 40 60 65 70 75 80 85 95 100 105 110	0.8	10 1.1 0.6 1.2 0.1 0.5	20 0-6 5-8 4-5 2-5 3-6 1-7 1-6 0-1	30 7.3 19.2 21.6 15.1 19.9 9.5 3.7 0.8 0.2	40 7.5 34.6 15.1 40.7 37.3 29.8 3.1 0.6 0.3	50 10.9 15.4 7.5 6.4 5.4 4.6 0.1	60 6.3 4.8 2.5 1.2	70 0.5 0.3	80 0•2	90	100	110	120	SUM 33-2 82-2 51-7 66-4 46-1 8-4 10-5 0-5
115 120 SUM	0.8	3.5	20.5	97.5	168.9	50.3	14.8	0.8	C.2					357.2

TABLE XLIII - Continued

	MINUTES	FOR TOR	QUE1 VS	AIRSPE	ED 87	WEIGHT	36000,	BY AL	TITUDE	5000				
1666	LESS	10	20	30	40	50	60	70	80	90	100	110	120	SUM
LESS 40 60 65 70 75 80 85 90 95 100		2.3	1.0	0.6 1.2 2.5 0.5	0.7 6.3 6.3 1.8 0.6	5.0 0.3 4.0 3.3 4.0	0.1 0.6 0.3 0.3							6.0 4.1 13.5 14.3 6.7 0.6 1.7 0.1
110 115 120 SUM		3.3	1.4	5.4	18.9	16.5	1.3							47.0
	MINUTES	FOR TOR	QUES VS	AIRSP	ED BY	WEIGHT	36000,	BY AL	TITUDE	5000				
LESS	LESS	10	20	30	40	50	60	70	80	90	100	110	120	SUM
40 60 65 70 75 80 85 90 95 100 105 110			2.3 1.0 0.5	1.0 1.0 4.8 4.8 2.2	0.6 0.5 5.7 9.0 4.4 0.6 1.2	4.4 0.4 1.9								6.0 4.1 13.5 14.3 6.7 0.6 1.7
120 SUM			3.8	14.3	22.1	6.7								47.0
l	MINUTES	FOR TOR	QUE1 VS	AIRSPE	ED 84 4	EI GHT	36000,	BY AL	TITUDE	SUF				
LESS 40 65 70 75 80 85 90 95 100 105 110	LESS 4.2 1.7 0.5 0.5	10 4.7 3.5 1.6 1.2 0.4 0.3	20 1-8 6-0 3-5 3-2 2-5 1-2 1-1 0-4	30 4-0 14-1 6-5 7-8 17-7 6-7 2-3 0-7 0-2	40 9.9 29.9 25.9 31.0 38.3 23.0 3.5 1.9 0.4	50 12.6 24.1 11.8 34.9 19.1 18.4 1.6 0.3	60 13.8 9.1 4.5 2.3 2.5 2.9 0.2	70 5.9 1.5 0.3	8U C. 5	90	100	110	120	SUM 48.5 93.6 57.8 81.3 81.9 9.0 3.3 0.6
120 SUM	7.3	11.8	19.8	60.0	163.9	122.7	35.3	7.7	C.5					428.9
	INUTES	FOR TORK	OUE2 VS	AIRSPF	ED BY	EIGHT	36000,	BY AL	TITUDE	SUM				
LESS 40 60 65 70 75 80 85 90 100 105 110	LESS 1.3	10 0-1 1-1 0-7 1-3 0-2	20 0.9 7.3 7.0 3.7 4.1 1.7 1.6	30 9.6 20.9 23.4 20.2 25.6 11.9 3.7 1.3 0.2 0.1	40 15-7 37-7 15-5 46-4 46-3 34-2 3-6 1-8 0-4	50 12.8 19.8 7.9 8.3 5.4 4.6	60 8.9 5.1 3.2 1.4	70 0.5 0.3	80	90	100	110	120	SUM 48.5 93.6 57.8 91.3 81.9 53.0 9.0 3.3 0.6 0.1
115 120 SUM	1.3	3.9	26.3	117.2	201.7	59.0	18.6	0.8	0.2					428.9

# TABLE XLIII - Continued MINUTES FOR TORQUEL VS AIRSPEED BY WEIGHT 37000, BY ALTITUDE LESS LESS 10 20 30 40 50 60 70 80 90

,	41MAIE2	PUR TU	AGOST A2	MINSPEED	01 W		310004	Ø						
LESS 40	LESS	10	20	30	40	50	0.3	70 0.1	0.3	90	100	110	120	SUM 0.6
60														
65 70					•									
75 80														
85														
90 95														
100														
105														
115														
120 SUM							0.3	0.1	C.3					0.6
(	MINUTES	FOR TO	RQUE2 VS	AIRSPEED	BY W	IGHT	37000,	BY AL	TITUDE	LESS				
LESS	LESS	10	20	30	40	50 0 • 2	60 0.4	70	80	90	100	110	120	SUM 0.6
40														-
60 65														
70 75														
80														
85 90														
95														
100														
110														
115														
SUM						0.2	0.4							0.6
,	MINUTES	FOR TO	RQUE1 VS	AIRSPEED	BY W	IGHT	37000,	BY AL	TITUDE	1000				
LESS	LESS	10	20 0.1	30 1.9	40 5.3	5.6	5.3	70 3.7	80 1.3	90	100	110	120	SUM 23.3
40	0.4	0.3	0.6	1.7	1.3	1.4	1.3	0.3	C.2					7.5
60 65	0.1	0.1	0.2	0.1 0.1	0.7	0.3	1.4							2.8
70		0.2		0.1	0.1	0.9	0.4							1.4
75 80		0.2		0.1	0 1	0.7	0.4							1.5
85 90	0.2													0.2
95														
100 105														
110														
115 120														
SUM	0.6	0.7	1-1	3.9	8.0	9.4	10.1	3.9	1.4					39.2
	MINUTES	FOR TO	RQUE2 VS	AIRSPEE	D 8Y W		37000,	BY AL	TITUDE	1000				
LESS	LESS	0.6	20	30 4.1	40 6.2	50 4.1	3.9	70 1-4	80 0.3	90	100	110	120	5UM
40	)	1.2	1.8	1.5	1.6	0.7	0.7	•••	•••					23.3
65		0.2		0.7 0.1	0.1	0.9	0.6							2.8 1.9
70	)	0.1			0.1	0.3	0.9							1.4
75	)		0.2 0.1	0.3	0-2	0.8	0.1							1.5
90	0.2	!												0.2
95	i													
100														
110	)													
115	)													
SUM		2.5	4.7	6.7	8.6	7.3	7.0	1.4	C.3					39.2

TABLE XLIII - Continued

	INUTES	FOR TOR	QUE1 VS	AIRSPE	ED BY W	EIGHT	37000.	BY AL	TITUDE	2000				
LESS 40 60 65 70 75 80 85 90 95 100 115 110 115	1.9 0.2 0.3 0.2	10 0.3 2.2 1.2 0.9 0.6 0.8 0.3	20 0.3 7.5 4.7 1.4 1.9 0.6	30 8.9 15.2 9.8 13.9 13.7 4.3 4.3	40 14.4 31.7 27.4 52.8 44.1 22.2 9.8 4-2 1.1	50 10.9 23.6 30.2 54.8 50.1 7.2 2.3	60 12.5 11.2 17.8 23.3 16.3 12.6 3.6	70 7.5 10.9 6.0 2.2 1.5	80 4.** 0.7	90 0.1	100	110	120	SUM 59.3 104.9 97.2 149.7 130.4 70.9 25.7 7.7 2.6
120 SUM	2.6	6.5	16.9	74.7	207-6	209.4	97.2	28.0	5.3	0.1				648.4
,	INUTES	FOR TOR	QUE2 VS	AIRSPE	ED 87 6	EIGHT	37000,	BY AL	TITUBE	2000				
LESS 40 60 65 70 75 80 85 90 95 100 105 110 115	1.6 C.8 1.0 C.1	10 0.6 1.1 1.1 1.3 1.1 0.6 0.6	20 1.7 8.8 2.7 5.0 1.6 2.7 1.1 0.1	30 10.6 30.9 16.4 23.7 41.5 9.4 5.9 2.5	40 18.3 27.0 47.8 68.1 56.1 47.8 13.0 0.6	50 9-6 18-0 19-5 44-0 26-6 9-4 4-7 2-0 0-7	60 15-1 12-9 6-9 4-8 3-0 0-7	70 2.6 4.0 2.0 1.7 0.4 0.2	80 C.7 O.:	90	100	110	120	SUM 59.3 104.9 97.2 149.7 130.4 70.9 25.7 7.7 2.6
120 SUM	3.8	6.4	24.0	141.9	281.6	134.6	43.8	10.9	1.2					648.4
	INUTES	FOR TOR	QUE1 VS	AIRSPE	ED BY W	EIGHT	37000,	BY AL	TITUDE	5000				
LESS 40 60 65 70 75 90 95 100 105	LESS	10	20	1.0 1.7	40 0.6 3.2 3.6 7.2 6.9 1.2	50 14.9 0.1 0.3 3.8 4.1 1.1	60 13.6 4.0 0.1 1.0	70 4.8 0.4	80	90	100	110	120	SUM 33.9 7.7 4.9 12.9 12.0 2.4
115 120 SUM				2.7	22.7	24.5	18.7	5.2						73.7
	MINUTES	FOR TOP	IQUEZ VS	ALRSPE	ED 87 1	HEIGHT	37000.	BY AL	TITUDE	5000				
	LESS		20	30	40	50	60	70	80	90	100	110	120	SUM
40 60 65 70 75 80 85 90 95 100 105			0.4	2.4 1.2 4.3 0.6	0.8 0.2 3.1 7.8 9.1	18.1 3.1 0.2 0.8 2.3 0.9	15.0							33.9 7.7 4.9 12.9 12.0 2.4
120 SUM			0.4	8.6	22.5	25.3	17-0							73.7

			•	TABI	E XI	LIII -	Cont	inued						
M	INUTES	FOR TOR	QUE1 VS	AIRSPE	ED BY W	EIGHT	37000.	BY AL	JUUT11.	SUP	II.			
LESS 40	LESS 2.3	10 0.3 2.5	20 0.4 8.3	30 10.9 16.9	40 19.7 33.6	50 16.5 40.0	60 18.1 26.1	70 11.3 15.9	80 5.9 C.3	90 0.1	100	110	120	SUM 83.2 146.3
60	0.3	1.3	4.9	9.8	31.3	30.6	23.2	6.4						107.8
65 70	0.3	0.6	1.4	14.9	56.5 51.4	55.4 55.0	24.6 16.7	2.2						156.5
75	0.2	1.0	0.6	4.4	29.2	34.9	13.9		C-2					84.4
80	0.2	0.3	0.4	4-4	11.3	8.5	3.6							28.6 7.9
90	0.2			1.6	1.1									2.6
95 100 105 110 115 120														
SUM	3.3	7.2	18.0	81.3	238.3	243.2	126.3	37.2	7.0	0.1				761.9
M	INUTES	FOR TOP	QUE2 VS	AIRSPE	ED BY	E I GHT	37000,	BY AL	TITUDE	SUP	•			
	LESS	10	20	30	40	50	60	70	80	90	100	110	120	SUM
LESS 40	1.6	1.5	4.1	14.7 32.5	24.6	13.9 36.8	19.4 28.7	4.0	1.0 0.5					83.2
60	1.0	1.3	2.8	19.5	48.1	23.5	9.5	2.0						107.8
65 70	1.0	1.3	5.5 1.6	25.0 45.8	71.6	44.6 27.7	5.7 3.9	1.7						156.5
75	0.3	0.6	2.9	10.0	57.1	12.5	0.6	0.2						84.4
80		0.6	1-2	6.2	14.5	5.7	0.3							28.6
85 90	0.3	0.1	0.1	2.5	2.9 0.6	2.0 0.7								7.9 2.6
95 100 105 110 115														
120 Sum	4.3	8.9	29.2	157-2	312.7	167.5	68.2	12.4	1.5					761.9
<b>M</b>	INUTES	FOR TOR	QUE1 VS	AIRSPE	ED BY W	EIGHT	38000,	BY AL	TITUDE	LESS				
	LESS	10	20	30	40	50	60	70	80	90	100	110	120	SUM
40 60 65 70 75 80 85 90				0.2	0.2	1.2	0.6	0.3	C.6	0.3				3.4
100														
105 110														
115														
120				0.3	0.3		0.4		0					
SUM	INHTES	FOR TOR	DIIF7 VS	0.2	0.2 En av H	1-2 FIGHT	0.6	1-2 RV AL	0.6 TITUDE	0.3 LESS				4.3
		10									100	110	190	¢1144
LESS 40 60 65 70	LESS	10	20 0.2	30 0.3	40 0.7	50 0.8 0.9	1.4	70	80	90	100	110	120	SUM 3.4 0.9
75 80 85 90 95 100 105 110														
120 SUM			0.2	0.3	0.7	1.7	1.4							4.3
3 Um			V. Z	0.3	0.7	4 . 1								7.3

TABLE XLIII - Continued

LESS 0.4 0.4 1.0 40 50 60 70 80 90 100 110 120 SUM  ESS 0.4 0.4 1.0 4.2 1.2 1.4 2.5 1.1 0.2  40 0.1 0.5 0.7 0.6 1.3 1.2 1.4 2.5 1.1 0.2  70 0.6 0.1 0.5 0.2 0.1 0.2 0.1 0.2 1.2  70 0.6 0.1 0.5 0.2 0.1 0.2 0.1 0.2  70 0.6 0.1 0.2 0.2 0.1 0.2  70 0.6 0.3 0.2 0.1 1.2  80 0.8 0.1 0.2 0.8 0.3 0.2  80 0.8 0.1 0.2 0.8 0.3 0.2  80 0.8 0.1 0.2 0.8 0.3 0.2  80 0.8 0.8 0.3 0.2 0.8 0.8 0.1 0.2  80 0.8 0.8 0.8 0.8 0.1 0.2  80 0.8 0.8 0.8 0.8 0.1 0.2  80 0.8 0.8 0.8 0.8 0.1 0.2  80 0.8 0.8 0.8 0.8 0.8 0.1 0.2  80 0.8 0.8 0.8 0.8 0.8 0.1 0.2  80 0.8 0.8 0.8 0.8 0.8 0.1 0.2  80 0.8 0.8 0.8 0.8 0.8 0.1 0.2  80 0.8 0.8 0.8 0.8 0.8 0.1 0.2  80 0.8 0.8 0.8 0.8 0.8 0.1 0.2  80 0.8 0.8 0.8 0.8 0.8 0.1 0.2  80 0.8 0.8 0.8 0.8 0.8 0.1 0.2  80 0.8 0.8 0.8 0.8 0.1 0.2  80 0.8 0.8 0.8 0.8 0.1 0.2  80 0.8 0.8 0.8 0.8 0.1 0.2  80 0.8 0.8 0.8 0.8 0.1 0.2  80 0.8 0.8 0.8 0.8 0.1 0.2  80 0.8 0.8 0.8 0.8 0.1 0.2  80 0.8 0.8 0.8 0.8 0.8 0.8 0.1 0.2  80 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.1  80 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0	,	MINUTES	FOR TOR	QUEL VS	AIRSPE	ED BY	ET GHT	36000.	BY AL	TITUDE	1000				
120   SUM   1.7   1.5   0.6   2.5   6.8   6.1   13.0   9.6   3.0   0.6   0.1   45.6   MINUTES FOR TORQUEZ VS AIRSPEED BY MEIGHT 38000, BY ALTITUDE   1000   110   120   SUM   27.4   40   0.3   0.3   0.4   2.3   0.5   1.5   1.7   0.5   1.7   0.5   1.6   0.7   0.3   0.1   0.1   0.2   1.8   0.7   0.7   0.5   0.2   0.1   0.0   0.1   0.2   1.8   0.7   0.5   0.2   0.1   0.0   0.1	40 60 65 70 75 80 85 90 95 100 105	1.6	0.4		1.0	4.2 1.2 0.1 0.1	4.2 1.4 0.2 0.1	5.6 2.5 2.5 1.2 0.2	8.5	2.7			110	120	27.4 10.4 3.2 1.8 1.3
MINUTES FOR TORQUEZ VS AIRSPEED BY WEIGHT 38000, BY ALTITUDE 1000   100   110   12	120						4 1	12.0	0.4	• •	0.4				4.5.4
LESS 10 20 30 40 50 60 70 80 90 100 110 120 SUM  AND COLOR OF STREET OF TORQUET VS AIRSPEED BY WEIGHT 38000, BY ALTITUDE 2000  LESS 0.3 0.4 3.7 13.9 16.5 32.0 20.5 8.8 0.1  AD 3.4 1.4 3.7 13.9 13.9 13.9 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0												0.1			47.0
LESS 0.2 0.1 6.0 5.2 6.1 5.6 2.7 1.4  40 0.3 0.3 0.3 3.4 2.3 0.5 1.5 1.7 0.5  85 0.3 0.3 0.1 0.2 1.8 0.9  90 0.1 0.6 1.2 0.1  1.8 0.7 0.9  90 100  100  100  110  1110  1110  1110  1111  1115  120  LESS 10 20 30 40 50 60 70 80 90 100 110 120 SUM  40 3.4 1.4 3.7 13.9 16.5 32.0 20.5 8.8 0.1  100.2 0.3 0.4 1.6 4.1 29.0 20.5 8.0 0.5  100 0.3 0.4 1.6 2.2 9.2 41.5 52.3 20.6 0.5  128 0.7 1.0 1.4 12.8 27.1 43.6 13.7 7.8 0.5  80 0.7 0.9 1.6 2.2 9.2 41.5 52.3 20.6 0.5  80 0.7 0.9 1.6 2.2 9.2 41.5 52.3 20.6 0.5  80 0.7 0.9 1.6 2.2 9.2 41.5 52.3 20.6 0.5  80 0.7 0.9 0.1 0.1 0.3 1.5 0.4 1.6 4.1 29.0 28.8 10.6  80 0.7 0.9 1.8 2.2 9.2 41.5 52.3 20.6 0.5  80 0.7 0.9 0.8 3.1 5.7 13.2 1.7  90 0.1 0.1 0.3 1.8 18.9 EED BY WEIGHT 38000.  BY ALTITUDE 2000  LESS 10 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.												100	110	120	CIIM
85 90 95 100 100 100 110 110 110 110 110 110 11	40 65 70 75	0.3	0-2	0.1	6.0 2.3 0.1	5.2 0.5 0.2	6-1 1-5 1-8 1-2 1-1	5.6 1.7 0.9 0.1 0.1	2.7		70	100	110	120	27.4 10.4 3.2 1.8 1.3
HINUTES FOR TORQUEL VS AIRSPEED BY MEIGHT 38000, BY ALTITUDE 2000  LESS 10 20 30 40 50 60 70 80 90 100 110 120 SUM 60 2.3 0.9 1.1 8.4 9.6 11.2 11.1 15.4 8.8 1.0 0.1 68.0 68.0 60 3.4 1.4 3.7 11.5 27.3 27.4 30.3 15.7 1.5 100.2 65 0.7 1.0 1.4 12.8 27.1 43.6 13.7 7.8 C.6 100.2 65 0.7 1.0 1.4 12.8 27.1 43.6 13.7 7.8 C.6 100.2 65 0.7 1.0 1.4 12.8 27.1 43.6 13.7 7.8 C.6 100.2 65 0.7 1.0 1.4 12.8 27.1 43.6 13.7 7.8 C.6 100.2 65 0.7 1.0 1.4 12.8 27.1 43.6 13.7 7.8 C.6 100.2 65 0.7 1.0 1.4 12.8 27.1 43.6 13.7 7.8 C.6 100.2 7.0 0.9 1.6 2.2 9.2 41.5 52.3 20.6 0.5 128.8 75 1.5 0.4 1.6 4.1 29.0 28.8 10.6 0.5 76.0 0.5 128.8 75 0.1 0.1 0.3 1.0 2.2 9.1 0.1 0.1 0.2 12.9 9.1 0.1 12.9 90 0.1 1.0 0.7 0.2 9.1 0.1 12.9 90 0.1 12.9 90 0.1 12.9 90 0.1 12.9 90 0.1 12.9 90 0.1 12.9 90 0.1 12.9 90 0.1 12.9 90 0.1 12.0 0.7 0.2 9.1 0.1 12.9 90 0.1 12.9 90 0.1 12.0 0.1 0.1 0.3 1.0 2.2 9.1 0.1 12.9 90 0.1 12.0 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0	85 90 95 100 105 110 115		2.4												
LESS 10 20 30 40 50 60 70 80 90 100 110 120 SUM -LESS 0.3 0.9 1.1 8.4 9.6 11.2 11.1 15.4 8.8 1.0 0.1 68.0 40 2.3 2.2 6.3 11.5 27.3 27.4 30.3 15.7 1.5 100.2 65 0.7 1.0 1.4 12.8 27.1 43.6 13.7 7.8 C.6 100.2 65 0.7 1.0 1.4 12.8 27.1 43.6 13.7 7.8 C.6 100.2 75 0.9 1.6 2.2 9.2 41.5 52.3 20.6 0.5 128.8 75 1.5 0.4 1.6 4.1 29.0 28.8 10.6 80 0.7 0.8 3.1 5.7 13.2 1.7 25.1 85 0.1 0.1 0.1 0.3 1.0 2.2 9.1 0.1 22.9 90 0.1 0.7 0.2 9.1 0.1 0.1 0.3 1.0 2.2 9.1 0.1 12.9 95 100 105 110 115 120 SUM 10.0 7.8 17.4 64.7 159.1 217.5 108.5 48.1 11.0 1.0 0.1 645.1  MINUTES FOR TORQUEZ VS AIRSPEED BY MEIGHT 38000, BY ALTITUDE 2000  LESS 10 20 30 40 50 60 70 80 90 100 110 120 SUM 68.0 40 1.6 0.6 7.1 16.6 27.3 34.2 22.7 13.4 C.9 65 0.6 0.7 2.7 14.9 48.6 31.5 8.5 1.3 100.2 65 0.6 0.7 2.7 14.9 48.6 31.5 8.5 1.3 100.2 95 100 0.9 0.6 4.0 16.6 23.5 37.1 15.2 2.4 65 0.6 0.7 2.7 14.9 48.6 31.5 8.5 1.3 100.2 95 0.2 0.6 4.3 9.7 5.6 4.5 95 0.2 0.6 4.3 9.7 5.6 4.5 95 100 105 110 115 120 90 0.4 0.6 7.5 0.9 7.5 3.8 0.1 100 105 110 115 120	CIIM					4 4	122	0 1							
LESS 0.3 0.9 1.1 8.4 9.6 11.2 11.1 15.4 8.8 1.0 0.1 68.0 40 2.3 2.2 6.3 11.5 27.3 27.4 30.3 15.7 1.5 1.5 0.1 1.0 1.4 12.8 27.1 43.6 13.7 7.8 C.6 108.7 70 0.9 1.6 2.2 9.2 41.5 52.3 20.6 0.5 128.8 75 1.5 0.4 1.6 4.1 29.0 28.8 10.6 0.5 76.0 80 0.7 0.8 3.1 5.7 13.2 1.7 85 0.1 0.1 0.3 1.0 2.2 9.1 0.1 12.9 90 0.1 0.7 0.2 9.2 9.1 0.1 12.9 90 0.1 10.0 7.8 17.4 64.7 159.1 217.5 108.5 48.1 11.0 1.0 0.1 645.1 12.9 11.0 11.0 11.0 11.0 1.0 0.1 645.1 12.5 12.0 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5											2000				47.6
SUM 10.0 7.8 17.4 64.7 159.1 217.5 108.5 48.1 11.0 1.0 0.1 645.1  MINUTES FOR TORQUEZ VS AIRSPEED BY WEIGHT 38000, BY ALTITUDE 2000  LESS 10 20 30 40 50 60 70 80 90 100 110 120 SUM 68.0 1.6 0.6 7.1 16.6 27.3 34.2 22.7 13.4 C.9 68.0 1.6 0.6 7.1 16.6 27.3 34.2 22.7 13.4 C.9 124.4 60 0.9 0.6 4.0 16.6 23.5 37.1 15.2 2.4 100.2 65 0.6 0.7 2.7 14.9 48.6 31.5 8.5 1.3 108.7 70 0.8 2.6 24.4 65.0 30.5 5.3 0.2 128.8 75 0.3 0.7 1.4 9.4 43.1 14.3 6.1 0.1 76.0 80 0.2 0.6 4.3 9.7 5.6 4.5 25.1 85 0.2 0.5 0.9 7.5 3.8 0.1 25.1 85 0.2 0.4 0.6 95 100 105 110 115 120		MINUTES	FOR TOP	QUE1 VS	AIRSP	EED BY	WEIGHT	38000,	BY A	LTITUDE					
LESS 10 20 30 40 50 60 70 80 90 100 110 120 SUM LESS 0.1 0.0 2.5 15.8 11.3 8.4 17.3 12.0 0.2 40 1.6 0.6 7.1 16.6 27.3 34.2 22.7 13.4 C.9 60 0.9 0.6 4.0 16.6 23.5 37.1 15.2 2.4 65 0.6 0.7 2.7 14.9 48.6 31.5 8.5 1.3 70 0.8 2.6 24.4 65.0 30.5 5.3 0.2 75 0.3 0.7 1.4 9.9 43.1 14.3 6.1 0.1 80 0.2 0.6 4.3 9.7 5.6 4.5 85 0.2 0.5 0.9 7.5 3.8 0.1 90 0.4 0.6 115 120	-LESS 40 60 65 70 75 80 85 90 95 100 115 115	LESS 0-3 2-3 3-4 0-7 0-9 1-5 0-7 0-1 0-1	10 0.9 2.2 1.4 1.0	20 1.1 6.3 3.7 1.4 2.2 1.6	30 8.4 11.5 13.9 12.8 9.2 4.1 3.1	40 9.6 27.3 16.5 27.1 41.5 29.0 5.7	50 11-2 27-4 32-0 43-6 52-3 28-8 13-2	38000, 60 11.1 30.3 20.5 13.7 20.6 10.6	70 15.4 15.7 8.8 7.8	80 8.8 1.5 0.1	90	100	110	120	SUM 68.0 124.4 100.2 108.7 128.8 76.0 25.1 12.9
LESS 0-1 0-0 2-5 15-8 11-3 8-4 17-3 12-0 0-> 68-0 40 1-6 0-6 7-1 16-6 27-3 34-2 22-7 13-4 C-9 124-4 6-60 0-9 0-6 4-0 16-6 23-5 37-1 15-2 2-4 100-2 65 0-6 0-7 2-7 14-9 48-6 31-5 8-5 1-3 108-7 70 C-8 2-6 24-4 65-0 30-5 5-3 0-2 128-8 75 0-3 0-7 1-4 9-9 43-1 14-3 6-1 0-1 76-0 85 0-2 0-5 0-9 7-5 3-8 0-1 12-9 90 0-4 0-6 95 1100 105 110 115 120	-LESS 40 60 65 75 80 85 90 105 110 115 120	LESS 0.3 2.3 3.4 0.7 0.9 1.5 0.7 0.1 0.1	10 0-9 2-2 1-4 1-0 1-6 0-4	20 1-1 6-3 3-7 1-4 2-2 1-6 0-3	30 8.4 11.5 13.9 12.8 9.2 4.1 3.1 1.0 0.7	40 9.6 27.3 16.5 27.1 41.5 29.0 5.7 2.2	WEIGHT  50 11-2 27-4 32-0 43-6 52-3 28-8 13-2 9-1	38000. 60 11.1 30.3 20.5 13.7 20.6 10.6 1.7 0.1	70 15.4 15.7 8.8 7.8 0.5	80 8.8 1.5 0.1 0.6	90	100	110	120	SUM 68.0 124.4 100.7 128.8 76.0 25.1 12.9 1.0
115 120	*LESS 40 60 65 70 75 80 95 100 115 120 SUM	MINUTES  LESS 0.3 2.3 3.4 0.7 0.9 1.5 0.7 0.1	10 0.9 2.2 1.4 1.0 1.6 0.4 0.1	20 1-1 6-3 3-7 1-4 2-2 1-6 0-8 0-3	30 8.4 11.5 13.9 12.8 9.2 4.1 3.1 1.0 0.7	40 9.6 27.3 16.5 27.1 41.5 29.0 5.7 2.7 0.2	#EIGHT  50 11-2 27-4 32-0 43-6 52-3 28-8 13-2 9-1	38000, 60 11.1 30.3 20.5 13.7 20.6 10.6 1.7 0.1	8Y A 70 15.4 15.7 8.8 7.8 0.5	80 8.8 1.2 0.1 C.6	90 1.0	100	110	120	SUM 68.0 124.4 100.2 108.7 128.8 76.0 25.1 12.9 1.0
	-LESS 400 655 770 755 900 105 95 100	LESS 0.1 10.0 MINUTES  LESS 0.1 10.0 MINUTES  LESS 0.1 1.6 0.9 0.6 0.8 0.8 0.3 0.2	7.8 FOR TOR 10 0.9 2.2 1.4 1.0 1.6 0.4 0.1	20 1.1 6.3 3.7 1.4 2.2 1.6 0.8 0.3	30 8.4 11.5 13.9 12.8 9.2 4.1 3.1 1.0 0.7 AIRSPE 30 15.8 16.6 16.6 14.9 24.4 9.2	40 9.6 27.3 16.5 27.1 41.5 27.2 0.2 159.1 40 11.3 27.3 24.6 65.0 43.1 9.7	#EIGHT 50 11-2 27-4 43-6 52-3 28-8 13-2 9-1 217-5 #EIGHT 50 8-4 34-2 37-1 31-5 30-5 14-3 5-6	38000, 60 11.1 30.3 20.5 13.7 20.6 10.6 1.7 0.1 108.5 38000, 60 17.3 22.7 15.2 8.5 5.3 6.1 4.5	8Y A 70 15.4 15.7 8.8 7.8 0.5	11.0 11.0 11.0 11.0	90 1.0	0.1			SUM 68.0 124.4 100.2 108.7 128.8 76.0 25.1 12.9 1.0 645.1 SUM 68.0 124.4 100.7 128.8 76.0 25.1 12.9

				TA	BLE	XLII	I - Co	ontinu	ıed					
M.	INUTES	FOR TOR	QUE1 VS	AIRSPE	ED BY W	EIGHT	36000,	BY AL	TITUDE	5000				
	LESS	10	20	30	40	50	60	70	80	90	100	110	120	SUM
LESS	CESS	10	20	,,,			0.1			,,		•••	•••	0.1
40 60				0.3	0.3	5.4	1.5	2-1	0. >					13.6
65				0.2	9.4	7.7	3.3							20.6
70			0.5	1.2	9.5	4.3	1.4							16.9
75				0.8	0.8	4.0								9.2
80 85				0.4	0.6	1.7								2.1
90														
95 100														
105														
110														
115 120														
SUM			0.5	3.2	28.7	29.7	17.6	2.1	0.5					82.3
	*****	FOR TOR	OUES VE	A1000E		ETCHT	38000.	AV AL	TITUDE	5000				
	IMUIE?													
LESS	LESS	10	20	30	40 0.1	50	60	70	80	90	100	110	150	SUM 0.1
40				1.3	6.2	2-1	3.4	0.8						13.8
60				1.2	4.3	6.0	6.7	0.1						18.3
65 70				1.9	16.7	2.1	1.2	0.3						16.9
75				1.2	6.2	1.8								9.2
80			0.1	0.6		0.5								1.4 2.1
85 90		0.1		0.3		1.7								
95														
100														
110														
115														
120 Sum		0.1	0.1	7.1	41.3	18.5	14.1	1.1						82.3
M	TNUTES	END TOD	OHEL VS	AIRSPE	ED BY	ÆI GHT	38000,	BY A	LTITUDE	SUM				
		run run	402. 13											
	LESS	10	20	30	40	50	60	70	80	90	100	110	120	SUM
LESS	LESS 0.3	10	20 1.1	30 9.6	14.0	16.6	17.4	24.2	12.2	90 2.0	100	110	120	98.8
40	LESS 0.3 3.9	10 1.3 2.9	20 1.1 6.9	30 9.6 12.8	14.0 32.9	16.6	17.4 34.2	24.2 19.8	2-1			110	120	98.8
40 60 65	LESS 0.3 3.9 3.5 0.7	10 1.3 2.9 1.4 1.5	20 1.1 6.9 3.7 1.4	30 9.6 12.8 14.4 13.0	14.0 32.9 16.9 36.6	16.6 34.1 38.5 51.4	17.4 34.2 34.3 18.2	24.2 19.8 8.8 7.8	12.2			110	120	98.8 149.5 121.7 131.1
40 60 65 70	LESS 0.3 3.9 3.5 0.7	10 1.3 2.9 1.4 1.5	20 1.1 6.9 3.7 1.4 2.7	30 9.6 12.8 14.4 13.0	14.0 32.9 16.9 36.6 51.7	16.6 34.1 38.5 51.4 56.9	17.4 34.2 34.3 18.2 22.2	24.2 19.8 8.8	12.2 2.1 C.5			110	120	98.8 149.5 121.7 131.1 146.9
40 60 65	LESS 0.3 3.9 3.5 0.7	10 1.3 2.9 1.4 1.5	20 1.1 6.9 3.7 1.4	30 9.6 12.8 14.4 13.0	14.0 32.9 16.9 36.6	16.6 34.1 38.5 51.4	17.4 34.2 34.3 18.2	24.2 19.8 8.8 7.8	12.2 2.1 C.5			110	120	98.8 149.5 121.7 131.1 146.9 86.7
40 60 65 70 75 80 85	LESS 0.3 3.9 3.5 0.7 0.9 1.5 0.7	10 1.3 2.9 1.4 1.5	20 1.1 6.9 3.7 1.4 2.7	30 9.6 12.8 14.4 13.0 10.4 4.9 3.3 1.4	14.0 32.9 16.9 36.6 51.7 33.9 6.5 2.2	16.6 34.1 38.5 51.4 56.9 32.8	17.4 34.2 34.3 18.2 22.2 11.6	24.2 19.8 8.8 7.8	12.2 2.1 C.5			110	120	98.8 149.5 121.7 131.1 146.9 86.7 26.5 15.0
40 60 65 70 75 80 85	LESS 0.3 3.9 3.5 0.7 0.9 1.5	10 1.3 2.9 1.4 1.5 1.6	20 1.1 6.9 3.7 1.4 2.7 1.6 0.8	30 9.6 12.8 14.4 13.0 10.4 4.9	14.0 32.9 16.9 36.6 51.7 33.9	16.6 34.1 38.5 51.4 56.9 32.8 13.5	17.4 34.2 34.3 18.2 22.2 11.6	24.2 19.8 8.8 7.8	12.2 2.1 C.5			110	120	98.8 149.5 121.7 131.1 146.9 86.7 26.5
40 60 65 70 75 80 85 90 95	LESS 0.3 3.9 3.5 0.7 0.9 1.5 0.7	10 1.3 2.9 1.4 1.5 1.6	20 1.1 6.9 3.7 1.4 2.7 1.6 0.8	30 9.6 12.8 14.4 13.0 10.4 4.9 3.3 1.4	14.0 32.9 16.9 36.6 51.7 33.9 6.5 2.2	16.6 34.1 38.5 51.4 56.9 32.8 13.5	17.4 34.2 34.3 18.2 22.2 11.6	24.2 19.8 8.8 7.8	12.2 2.1 C.5			110	120	98.8 149.5 121.7 131.1 146.9 86.7 26.5 15.0
40 60 65 70 75 80 85 90 95 100	LESS 0.3 3.9 3.5 0.7 0.9 1.5 0.7	10 1.3 2.9 1.4 1.5 1.6	20 1.1 6.9 3.7 1.4 2.7 1.6 0.8	30 9.6 12.8 14.4 13.0 10.4 4.9 3.3 1.4	14.0 32.9 16.9 36.6 51.7 33.9 6.5 2.2	16.6 34.1 38.5 51.4 56.9 32.8 13.5	17.4 34.2 34.3 18.2 22.2 11.6	24.2 19.8 8.8 7.8	12.2 2.1 C.5			110	120	98.8 149.5 121.7 131.1 146.9 86.7 26.5 15.0
40 60 65 70 75 80 85 90 95 100 105	LESS 0.3 3.9 3.5 0.7 0.9 1.5 0.7	10 1.3 2.9 1.4 1.5 1.6	20 1.1 6.9 3.7 1.4 2.7 1.6 0.8	30 9.6 12.8 14.4 13.0 10.4 4.9 3.3 1.4	14.0 32.9 16.9 36.6 51.7 33.9 6.5 2.2	16.6 34.1 38.5 51.4 56.9 32.8 13.5	17.4 34.2 34.3 18.2 22.2 11.6	24.2 19.8 8.8 7.8	12.2 2.1 C.5			110	120	98.8 149.5 121.7 131.1 146.9 86.7 26.5 15.0
40 60 65 70 75 80 85 90 95 100 115 110	LESS 0.3 3.9 3.5 0.7 0.9 1.5 0.7 0.1	10 1.3 2.9 1.4 1.5 1.6 0.4	20 1.1 6.9 3.7 1.4 2.7 1.6 0.8 0.3	30 9.6 12.8 14.4 13.0 10.4 4.9 3.3 1.4	14.0 32.9 16.6 51.7 33.9 6.5 2.2	16.6 34.1 38.5 51.4 56.9 32.8 13.5 10.8	17.4 34.2 34.3 18.2 22.2 11.6 1.7	24.2 19.8 8.8 7.6 0.5	12.2 2.1 C.5 C.6	2.0	0.2	110	120	98.8 149.5 121.7 131.1 146.9 86.7 26.5 15.0
40 60 65 70 75 80 85 90 95 100 110	LESS 0.3 3.9 3.5 0.7 0.9 1.5 0.7	10 1.3 2.9 1.4 1.5 1.6	20 1.1 6.9 3.7 1.4 2.7 1.6 0.8	30 9.6 12.8 14.4 13.0 10.4 4.9 3.3 1.4	14.0 32.9 16.6 51.7 33.9 6.5 2.2	16.6 34.1 38.5 51.4 56.9 32.8 13.5	17.4 34.2 34.3 18.2 22.2 11.6 1.7	24.2 19.8 8.8 7.8	12.2 2.1 C.5	2.0		110	120	98.8 149.5 121.7 131.1 146.9 86.7 26.5 15.0
40 60 65 70 75 80 85 90 100 115 110 SUM	LESS 0.3 3.9 3.5 0.7 0.9 1.5 0.7 0.1	10 1.3 2.9 1.4 1.5 1.6 0.4	20 1.1 6.9 3.7 1.6 0.8 0.3	30 9.6 12.8 14.4 13.0 10.4 4.9 3.3 1.4 0.7	14.0 32.9 16.9 36.6 51.7 33.9 6.5 2.2 0.2	16.6 34.1 38.5 51.4 56.9 32.8 13.5 10.8	17.4 34.2 34.3 18.2 22.2 11.6 1.7 0.1	24.2 19.8 8.8 7.8 0.5	12.2 2.1 C.5 C.6	2.0	0.2	110	120	98.8 149.5 121.7 131.1 146.9 86.7 26.5 15.0
40 60 65 70 75 80 85 90 100 115 110 SUM	LESS 0.3 3.9 3.5 0.7 0.9 1.5 0.7 0.1	10 1.3 2.9 1.4 1.5 1.6 0.4 0.1	20 1.1 6.9 3.7 1.4 2.7 1.6 0.8 0.3	30 9.6 12.8 14.4 13.0 10.4 4.9 3.3 1.4 0.7	14.0 32.9 16.9 36.6 51.7 33.9 6.5 2.2 0.2	16.6 34.1 38.5 51.4 56.9 32.8 13.5 10.8	17.4 34.2 34.3 18.2 22.2 11.6 1.7 0.1	24.2 19.8 8.8 7.8 0.5	12.2 2.1 C.3 C.6	2.0 2.0 SUM	0.2			98.8 149.5 121.7 131.1 146.9 86.7 26.5 15.0 1.0
40 60 65 70 75 80 85 90 95 100 110 115 120 SUM	LESS 0.3 3.9 3.5 0.7 0.9 1.5 0.7 0.1 11.7	10 1.3 2.9 1.4 1.5 1.6 0.4 0.1	20 1.1 6.9 3.7 1.6 0.8 0.3	30 9.6 12.8 14.4 13.0 10.4 4.9 3.3 1.4 0.7	14.0 32.9 16.9 36.6 51.7 33.9 6.5 2.2 0.2	16.6 34.1 38.5 51.4 56.9 32.8 13.5 10.8 254.5 MEIGHT	17.4 34.2 34.3 18.2 22.2 11.6 1.7 0.1	24.2 19.8 8.8 7.8 0.5	12.2 2.1 C.5 C.6	2.0	0.2	110	120	98.8 149.5 121.7 131.1 146.9 86.7 26.5 15.0
40 60 65 70 75 80 95 100 105 110 115 120 SUM	LESS 0.3 3.9 3.5 0.7 0.9 1.5 0.7 0.1 0.1	10 1.3 2.9 1.4 1.5 1.6 0.4 0.1	20 1.1 6.9 3.7 1.4 2.7 1.6 0.8 0.3	30 9.6 12.8 14.4 13.0 10.4 4.9 3.3 1.4 0.7	14.0 32.9 16.9 36.6 51.7 33.9 6.5 2.2 0.2	16.6 34.1 38.5 51.4 56.9 32.8 13.5 10.8 254.5 MEIGHT 50 15.3 38.7	17.4 34.2 34.3 18.2 22.2 11.6 1.7 0.1	24.2 19.8 8.8 7.8 0.5	12.2 2.1 C.5 C.6	2.0 2.0 SUM	0.2			98.8 149.5 121.7 131.1 146.9 86.7 26.5 15.0 1.0
40 60 65 70 75 80 85 90 95 100 110 115 120 SUM	LESS 0.3 3.9 3.5 0.7 0.9 1.5 0.7 0.1 11.7	10 1.3 2.9 1.4 1.5 1.6 0.4 0.1	20 1.1 6.9 3.7 1.6 0.8 0.3	30 9.6 12.8 14.4 13.0 10.4 4.9 3.3 1.4 0.7	14.0 32.9 16.9 36.6 51.7 33.9 6.5 2.2 0.2	16.6 34.1 38.5 51.4 56.9 32.8 13.5 10.8 254.5 MEIGHT	17.4 34.2 34.3 18.2 22.2 11.6 1.7 0.1	24.2 19.8 8.8 7.8 0.5	12.2 2.1 C.5 C.6	2.0 2.0 SUM	0.2			98.8 149.5 121.7 131.1 146.9 86.7 26.5 15.0 1.0
40 60 65 70 75 80 95 100 115 120 SUM M	LESS 0.3 3.9 3.5 0.7 0.9 1.5 0.7 0.1 0.1	10 1.3 2.9 1.4 1.5 1.6 0.4 0.1	20 1.1 6.9 3.7 1.4 2.7 1.6 0.8 0.3	30 9.6 12.8 14.4 13.0 10.4 4.9 3.3 1.4 0.7 70.6 AIRSPE	14.0 32.9 16.9 36.6 51.7 33.9 6.5 2.2 0.2 194.8 EED 8Y 1 40 28.0 65.9 72.9	16.6 34.1 38.5 51.4 56.9 32.8 13.5 10.8 254.5 WEIGHT 50 15.3 38.7 44.9 34.7 35.9	17.4 34.2 34.3 18.2 22.2 11.6 1.7 0.1 139.7 38000. 60 24.3 27.9 22.8 9.7 8.2	24.2 19.8 8.8 7.8 0.5	12.2 2.1 C.5 C.6	2.0 2.0 SUM	0.2			98.8 149.5 121.7 131.1 146.9 86.7 26.5 15.0 1.0 777.4 SUM 98.8 149.5 121.7 131.1 146.9
40 60 65 70 75 80 90 90 105 110 115 120 SUM M	LESS 0.3 3.9 3.5 0.7 0.9 1.5 0.7 0.1 0.1	10 1.3 2.9 1.4 1.5 0.4 0.1	20 1.1 6.9 3.7 1.4 2.7 1.6 0.8 0.3 18.5 QUE2 VS 20 2.8 10.5 4.3 2.7 2.6	30 9.6 12.8 14.4 13.0 10.4 4.9 3.3 1.4 0.7 70.6 AIRSPE 30 22.1 20.2 11.3 15.3 26.3 11.1	14.0 32.9 16.9 36.6 51.7 33.9 6.5 2.2 0.2 194.8 EED 8Y 1 40 17.3 34.0 28.0 65.9 72.9 49.3	16.6 34.1 38.5 51.4 56.9 32.8 13.5 10.8 254.5 MEIGHT 50 15.3 38.7 44.9 34.7 35.9	17.4 34.2 34.3 18.2 22.2 11.6 1.7 0.1 139.7 38000, 60 24.3 27.9 22.8 9.7 8.2 7.0	24.2 19.8 8.8 7.8 0.5	12.2 2.1 C.5 C.6	2.0 2.0 SUM	0.2			98.8 149.5 121.7 131.1 146.9 86.7 26.5 15.0 1.0 777.4 SUM 98.8 149.5 121.7 131.1 146.9 86.7
40 60 65 70 75 80 95 100 115 120 SUM M	LESS 0.3 3.9 3.5 0.7 0.9 1.5 0.7 0.1 0.1	10 1.3 2.9 1.4 1.5 1.6 0.4 0.1	20 1.1 6.9 3.7 1.4 2.7 1.6 0.8 0.3	30 9.6 12.8 14.4 13.0 10.4 4.9 3.3 1.4 0.7 70.6 AIRSPE	14.0 32.9 16.9 36.6 51.7 33.9 6.5 2.2 0.2 194.8 EED 8Y 1 40 28.0 65.9 72.9	16.6 34.1 38.5 51.4 56.9 32.8 13.5 10.8 254.5 WEIGHT 50 15.3 38.7 44.9 34.7 35.9	17.4 34.2 34.3 18.2 22.2 11.6 1.7 0.1 139.7 38000. 60 24.3 27.9 22.8 9.7 8.2	24.2 19.8 8.8 7.8 0.5	12.2 2.1 C.5 C.6	2.0 2.0 SUM	0.2			98.8 149.5 121.7 131.1 146.9 86.7 26.5 15.0 1.0 777.4 SUM 98.8 149.5 121.7 131.1 146.9 86.7 26.5
40 60 60 70 75 80 95 100 115 120 80 60 60 65 70 75 80 80 80 80 80 80 80 80 80 80 80 80 80	LESS 0.3 3.9 3.5 0.7 0.9 1.5 0.7 0.1 11.7 FINUTES LESS 0.1 1.8 0.9 0.6 0.8 0.8	10 1.3 2.9 1.4 1.5 1.6 0.4 0.1 9.3 FOR TOR 10 0.2 0.9 0.6 0.7	20 1.1 6.9 3.7 1.6 0.8 0.3	30 9.6 12.8 14.4 13.0 10.4 4.9 3.3 1.4 0.7 70.6 AIRSPE 30 22.1 20.2 11.3 15.3 26.3 11.1	14.0 32.9 16.9 36.6 51.7 33.9 6.5 2.2 0.2 194.8 EED 8V 1 40 17.3 34.0 65.9 72.9 49.3 9.7	16.6 34.1 38.5 51.4 56.9 32.8 13.5 10.8 254.5 WEIGHT 50 15.3 38.7 44.7 35.9 16.1	17.4 34.2 34.3 18.2 22.2 11.6 1.7 0.1 139.7 38000. 60 24.3 22.8 9.7 8.2 7.0 4.6	24.2 19.8 8.8 7.8 0.5	12.2 2.1 C.5 C.6	2.0 2.0 SUM	0.2			98.8 149.5 121.7 131.1 146.9 86.7 26.5 15.0 1.0 777.4 SUM 98.8 149.5 121.7 131.1 146.9 86.7
40 605 70 75 805 90 90 1105 1105 1105 1105 1105 1105 1	LESS 0.3 3.9 3.5 0.7 0.9 1.5 0.7 0.1 11.7 FINUTES LESS 0.1 1.8 0.9 0.6 0.8 0.8	10 1.3 2.9 1.4 1.5 1.6 0.4 0.1 9.3 FOR TOR 10 0.2 0.9 0.6 0.7	20 1.1 6.9 3.7 1.6 0.8 0.3 18.5 20 2.8 10.5 4.3 2.7 2.6 1.4 0.5	30 9.6 12.8 14.4 13.0 10.4 4.9 3.3 1.4 0.7 70.6 AIRSPE 30 22.1 20.2 11.3 15.3 26.3 11.1	14.0 32.9 16.9 36.6 51.7 33.9 6.5 2.2 0.2 194.8 EED 8V 1 40 17.3 34.0 65.9 72.9 49.3 9.7	16.6 34.1 38.5 51.4 56.9 32.8 13.5 10.8 254.5 WEIGHT 50 15.3 38.7 44.7 35.9 16.1	17.4 34.2 34.3 18.2 22.2 11.6 1.7 0.1 139.7 38000. 60 24.3 22.8 9.7 8.2 7.0 4.6	24.2 19.8 8.8 7.8 0.5	12.2 2.1 C.5 C.6	2.0 2.0 SUM	0.2			98.8 149.5 121.7 131.1 146.9 86.7 26.5 15.0 1.0 777.4 SUM 98.8 149.5 121.7 131.1 146.9 86.7 26.5
40 60 60 70 75 80 95 100 110 110 110 110 110 110 110 40 60 60 70 75 80 80 80 80 80 80 80 80 80 80 80 80 80	LESS 0.3 3.9 3.5 0.7 0.9 1.5 0.7 0.1 11.7 FINUTES LESS 0.1 1.8 0.9 0.6 0.8 0.8	10 1.3 2.9 1.4 1.5 1.6 0.4 0.1 9.3 FOR TOR 10 0.2 0.9 0.6 0.7	20 1.1 6.9 3.7 1.6 0.8 0.3 18.5 20 2.8 10.5 4.3 2.7 2.6 1.4 0.5	30 9.6 12.8 14.4 13.0 10.4 4.9 3.3 1.4 0.7 70.6 AIRSPE 30 22.1 20.2 11.3 15.3 26.3 11.1	14.0 32.9 16.9 36.6 51.7 33.9 6.5 2.2 0.2 194.8 EED 8V 1 40 17.3 34.0 65.9 72.9 49.3 9.7	16.6 34.1 38.5 51.4 56.9 32.8 13.5 10.8 254.5 WEIGHT 50 15.3 38.7 44.7 35.9 16.1	17.4 34.2 34.3 18.2 22.2 11.6 1.7 0.1 139.7 38000. 60 24.3 22.8 9.7 8.2 7.0 4.6	24.2 19.8 8.8 7.8 0.5	12.2 2.1 C.5 C.6	2.0 2.0 SUM	0.2			98.8 149.5 121.7 131.1 146.9 86.7 26.5 15.0 1.0 777.4 SUM 98.8 149.5 121.7 131.1 146.9 86.7 26.5
40 60 60 70 75 80 90 90 110 115 110 115 110 85 90 90 95 100 105 110	LESS 0.3 3.9 3.5 0.7 0.9 1.5 0.7 0.1 11.7 FINUTES LESS 0.1 1.8 0.9 0.6 0.8 0.8	10 1.3 2.9 1.4 1.5 1.6 0.4 0.1 9.3 FOR TOR 10 0.2 0.9 0.6 0.7	20 1.1 6.9 3.7 1.6 0.8 0.3 18.5 20 2.8 10.5 4.3 2.7 2.6 1.4 0.5	30 9.6 12.8 14.4 13.0 10.4 4.9 3.3 1.4 0.7 70.6 AIRSPE 30 22.1 20.2 11.3 15.3 26.3 11.1	14.0 32.9 16.9 36.6 51.7 33.9 6.5 2.2 0.2 194.8 EED 8V 1 40 17.3 34.0 65.9 72.9 49.3 9.7	16.6 34.1 38.5 51.4 56.9 32.8 13.5 10.8 254.5 WEIGHT 50 15.3 38.7 44.7 35.9 16.1	17.4 34.2 34.3 18.2 22.2 11.6 1.7 0.1 139.7 38000. 60 24.3 22.8 9.7 8.2 7.0 4.6	24.2 19.8 8.8 7.8 0.5	12.2 2.1 C.5 C.6	2.0 2.0 SUM	0.2			98.8 149.5 121.7 131.1 146.9 86.7 26.5 15.0 1.0 777.4 SUM 98.8 149.5 121.7 131.1 146.9 86.7 26.5
40 60 60 70 75 80 90 90 110 115 120 85 90 90 115 120 85 90 90 90 90 90 90 90 90 90 90 90 90 90	LESS 0.3 3.9 3.5 0.7 0.9 1.5 0.7 0.1 11.7 FINUTES LESS 0.1 1.8 0.9 0.6 0.8 0.8	10 1.3 2.9 1.4 1.5 1.6 0.4 0.1 9.3 FOR TOR 10 0.2 0.9 0.6 0.7	20 1.1 6.9 3.7 1.6 0.8 0.3 18.5 20 2.8 10.5 4.3 2.7 2.6 1.4 0.5	30 9.6 12.8 14.4 13.0 10.4 4.9 3.3 1.4 0.7 70.6 AIRSPE 30 22.1 20.2 11.3 15.3 26.3 11.1	14.0 32.9 16.9 36.6 51.7 33.9 6.5 2.2 0.2 194.8 EED 8V 1 40 17.3 34.0 65.9 72.9 49.3 9.7	16.6 34.1 38.5 51.4 56.9 32.8 13.5 10.8 254.5 WEIGHT 50 15.3 38.7 44.7 35.9 16.1	17.4 34.2 34.3 18.2 22.2 11.6 1.7 0.1 139.7 38000. 60 24.3 22.8 9.7 8.2 7.0 4.6	24.2 19.8 8.8 7.8 0.5	12.2 2.1 C.5 C.6	2.0 2.0 SUM	0.2			98.8 149.5 121.7 131.1 146.9 86.7 26.5 15.0 1.0 777.4 SUM 98.8 149.5 121.7 131.1 146.9 86.7 26.5
40 60 60 70 75 80 90 90 110 115 110 115 110 85 90 90 95 100 105 110	LESS 0.3 3.9 3.5 0.7 0.9 1.5 0.7 0.1 11.7 FINUTES LESS 0.1 1.8 0.9 0.6 0.8 0.8	10 1.3 2.9 1.4 1.5 1.6 0.4 0.1 9.3 FOR TOR 10 0.2 0.9 0.6 0.7	20 1.1 6.9 3.7 1.6 0.8 0.3 18.5 20 2.8 10.5 4.3 2.7 2.6 1.4 0.5	30 9.6 12.8 14.4 13.0 10.4 4.9 3.3 1.4 0.7 70.6 AIRSPE 30 22.1 20.2 17.3 26.3 11.1 5.1	14.0 32.9 16.9 36.6 51.7 33.9 6.5 2.2 0.2 194.8 EED 8Y 1 40 28.0 65.9 72.9 49.3 9.7 7.5	16.6 34.1 38.5 51.4 56.9 32.8 13.5 10.8 254.5 WEIGHT 50 15.3 38.7 44.7 35.9 16.1	17.4 34.2 34.3 18.2 22.2 11.6 1.7 0.1 139.7 38000. 60 24.3 27.9 22.8 9.7 0.1	24.2 19.8 8.8 7.8 0.5	12.2 2.1 C.5 C.6	2.0 2.0 SUM	0.2			98.8 149.5 121.7 131.1 146.9 86.7 26.5 15.0 1.0 777.4 SUM 98.8 149.5 121.7 131.1 146.9 86.7 26.5

				TABI	LΕ	XLIII	- Co	ntinue	d					
	INUTES		NEI VS	AIRSPEED	8Y (	ET GHT	39000,	BY AL	TITUDE	LESS				
LESS 40 60 65 70 75	LESS	19	20	30 0.3	40 0.3	50 0.6	60 0.6	70	80 0-1 0-1 C-+	90 0.4 0.1	100	110	120	SUM 2-2 0-5 0-4
85 90 95 100 105 110 115 120 SUM		0.3		0.3	0.3	0.6	0.6		C.b	0.5				3.1
1	MINUTES	FOR TORG	SNES A2	AIRSPEED	BY	WEIGHT	39000,	BY AL	TITUDE	LESS	;			
LESS 40 60 65 70 75	LESS	10	20 0.3	30 0.3	40 1.2	50 0.3	60 0.4 0.2 0.4	70 0.1	80	90	100	110	120	SUM 2.2 0.5 0.4
85 90 95 100 105 110 115 120 SUM			0.3	0.3	1.2	0.3	1.0	0.1						3.1
	INUTES	FOR TORG	UEL VS	AIRSPEED	8Y 1	EIGHT	39000.	BY AL	TI1'JDE	1000				
LESS 40 60 65 70 75 80 85 90 95 100 105 110	LESS 0.5 0.7	10	20 0.4 1-1	30 0.9 1.7	40 3.3 1.3	50 4-1	60 3.1 2.9 0.3 0.1 0.2 0.7	70 3.5 0.6 0.2 0.4	87 2.4 0.4 0.2 0.2	90 0.8	100	110	120	SUM 16.5 8.5 1.4 0.7 0.2 0.7
120 SUM	1.2	0.1	1.5	2.5	4.6	4.1	7.3	4.7	3.2	0.6				30.0
				AIRSPEED			39000,	BY AL	TITUDE	1000				
	LESS	10	20	30	40	50	60	70	80	90	100	110	120	SUM
LESS 40 60 65 70 75 80 85 90 95	0.5	0.1	0.5 0.5	2.3 2.4 0.7	4.7 2.2 0.1	3.8 0.2 0.2 0.2	3.6 2.0 0.5 0.2 0.7 0.1	0.2	1.8 0.7 C.2				-	18.5 8.5 1.4 0.7 0.2 0.7 0.1
105														
115								-						

TABLE XLIII - Continued

1	MINUTES	FOR TOR	QUE1 VS	AIRSPE	ED BY	WEIGHT	39000.	BY AL	TITUDE	2000				
LESS 40 60 65 70 75 80 85 90 95 100 105 110	0.2	10 1.1 0.6 0.8 0.3	20 1.9 6.7 3.9 2.1 2.6 2.2 0.6 0.2	30 3.7 13.6 3.2 8.6 9.1 7.7	40 10.9 16.6 13.9 25.7 35.6 15.4 2.1	50 12.8 30.0 47.5 60.7 38.6 19.2 12:7 4.3	60 9.6 20.4 39.5 37.8 20.5 8.7 1.1	70 8.3 11.8 4.7 5.7 4.2 0.2	80 6.0 1.+ 0.;	90	100	110	120	SUM 56.2 103.3 114.9 141.5 110.9 53.7 18.4 5.0
120 SUM	3.1	3.0	20.3	47.8	120.7	225.9	137.6	35.0	8.3	2.2	0.1			603.9
		FOR TOR	QUE? VS	AIRSPE	ED BY	WE I GHT	39000.	BY AL	TITUDE	2000				
LESS 40 60 65 70 75 80 85 90 95 100	1.6 0.6 0.3 0.7	1.9 0.2 0.5	20 2-1 9-7 2-9 2-6 1-3 2-3 1-5 0-2	30 5-9 16-2 7-8 12-7 27-7 9-4 2-7	40 9.6 28.7 32.2 49.0 45.2 29.3 7.5	13.8 17.2 36.4 47.8 23.1 9.4	60 13.5 22.5 32.4 24.8 9.5 2.9 0.9	70 7.6 3.9 1.5 3.4 1.6	80 3-3 1-7 C-7 C-3	90 0.4	100	110	120	SUM 56.2 103.3 114.9 141.5 110.9 53.7 18.4
115 120 SUM	3.2	3.2 FOR TOR	22.7 QUE1 VS		205.6	152.6 WEIGHT	106.5	19.5 BY AL	7.5 TITUDE	0.4 5000				603.9
	LESS		20	30	40	50								
LESS 40 60 65 70 75 80		10	20	0.6	5.1 2.5 3.2	3.1	60	70	80	90	100	110	120	8.3 3.1 3.2
85 90 95 100 105 110 115 120 SUM			0.3	1.6	2.8	11.5	0.2							0.8 9.7 6.2 1.9
90 95 100 105 110 115 120 SUM	MINUTES	FOR TOR	1.6	5.0	1.1	3.2	0.2	BY AL	TITUDE	5000				9.7 6.2 1.9
90 95 100 105 110 115 120 SUM	LESS		1.6	5.0	1.1	11.5	0.2	BY AL 70	TITUDE 80	<b>5</b> 000	100	110	120	9.7 6.2 1.9

TABLE XLIII - Continued

	MINUTES	FOR TOR	QUEL VS	AIRSPE	ED 87 1	E I GHT	39000,	BY AL	LTITUDE	SUM				
	ESS	10	20	30	40	50	60	70	80	90	100	110	120	SUM
LESS 40	2.1	1.5	2.3 7.8	15.3	23.0	17.5 33.2	13.3 23.3	11.9 12.4	9.0 1.9	3.5 0.1	0.1			76.9 120.5
60		0.6	3.9 2.1	3.9 8.6	29.0	47.5	39.8 37.9	6.0	0.9					119.8
70	_	0.3	2.6	9.5	35.6	39.0	20.6	4.2	0.2					111.9
75 80		0.3	2.5 1.0	9.3 3.5	16.1	24.1	9.6	0.2						54.0 24.8
85			1.1	0.8	0.7	4.3	•••							6.9
90														
100														
105														
115														
SUM		3.4	23.3	55.6	140.5	242.1	145.7	39.6	12.1	3.6	0.1			670.2
	MINUTES	FOR TOR	QUE2 VS	AIRSPE	ED BY	EI GHT	39000.	BY AL	TITUDE	SUM				
	LESS	10	20	30	40	50	60	70	60	90	100	110	120	SUM
LESS			2.6	8.5	15.5 37.8	17.9	17.4	9.5	5.2 2.3	0.4				76.9
60		2.0	2.9	19.0	35.0	18.3	24.6 33.3	1.5	C.7					119.8
70		0.5	2.6	12.7	52.3	48.0	9.6	3.6	1.1					145.4
75		0.2	3.6	10.4	31.3	14.8	3.6		•••					54.0
80			3.5 1.9	3.0	9.0 4.2	6.8	1.0	1.4						24.8
90				0.4	7.0	0.4								
100														
105														
110														
120			30 4	00 4	230 2	144 4	144.4	21.4	10.2	0.4				670.2
SUM	3.7	3.3	29.4		230.3	166.4	114.4	21.6	10.2	0.4				670.2
SUM	3.7 MINUTES	FOR TOR	QUE1 VS	AIRSPE	ED BY N	EIGHT	40000,	BY AL	.T17UJE	LESS				
SUM	3.7 MINUTES LESS					1200					100	110	120	670.2 SUM 3.6
SUM LESS 40	3.7 MINUTES LESS	FOR TOR	QUE1 VS	AIRSPE	ED BY N	ETGHT	<b>40000,</b>	BY AL	.T17UJE	LESS	100	110	120	SUM
SUM LESS 40 60	3.7 MINUTES LESS	FOR TOR	QUE1 VS	AIRSPE	ED BY N	50 1.4	40000, 60 0.8	BY AL	.T17UJE	LESS	100	110	120	SUM 3-6 0-3
SUM LESS 40 60 65	3.7 MINUTES LESS	FOR TOR	QUE1 VS	AIRSPE	ED BY N	50 1.4	40000, 60 0.8	BY AL	.T17UJE	LESS	100	110	120	SUM 3.6 0.3
SUM LESS 40 60 65 70 75	3.7 MINUTES LESS	FOR TOR	QUE1 VS	AIRSPE	ED BY N	50 1.4	40000, 60 0.8	70 0.8	.T17UJE	LESS	100	110	120	SUM 3.6 0.3 0.2 0.4
SUM LESS 40 60 65 70 75 80	3.7 MINUTES LESS	FOR TOR	QUE1 VS	AIRSPE	ED BY N	50 1.4	40000, 60 0.8 0.3	70 0.8	.T17UJE	LESS	100	110	120	SUM 3.6 0.3 0.2 0.4 0.7
SUM LESS 40 65 70 75 80 85 40	3.7 MINUTES LESS	FOR TOR	QUE1 VS	AIRSPE	ED BY N	50 1.4	40000, 60 0.8 0.3	70 0.8	.T17UJE	LESS	100	110	120	SUM 3.6 0.3 0.2 0.4
SUM LESS 40 60 65 70 75 85 40 95	3.7 MINUTES LESS	FOR TOR	QUE1 VS	AIRSPE	ED BY N	50 1.4	40000, 60 0.8 0.3	70 0.8	.T17UJE	LESS	100	110	120	SUM 3.6 0.3 0.2 0.4 0.7
SUM LESS 40 65 70 75 80 85 90 105	3.7 MINUTES LESS	FOR TOR	QUE1 VS	AIRSPE	ED BY N	50 1.4	40000, 60 0.8 0.3	70 0.8	.T17UJE	LESS	100	110	120	SUM 3.6 0.3 0.2 0.4 0.7
SUM LESS 400 655 705 705 85 90 95 1005 1101	3.7 MINUTES LESS	FOR TOR	QUE1 VS	AIRSPE	ED BY N	50 1.4	40000, 60 0.8 0.3	70 0.8	.T17UJE	LESS	100	110	120	SUM 3.6 0.3 0.2 0.4 0.7 0.1
SUM LESS 40 65 70 75 80 85 90 105	3.7 MINUTES LESS	FOR TOR	QUE1 VS	AIRSPE	ED BY N	50 1.4	40000, 60 0.8 0.3	70 0.8	.T17UJE	LESS	100	110	120	SUM 3.6 0.3 0.2 0.4 0.7
SUM LESS 400 655 705 709 95 100 115 1120	3.7 MINUTES LESS	FOR TOR	20 20	AIRSPE 30	ED 8Y w 40 0-7	50 1.4 0.2 0.4	40000, 60 0.8 0.3	70 0.8 0.1 0.1 0.4	.T17UJE	LESS	100	110	120	SUM 3.6 0.3 0.2 0.4 0.7 0.1
SUM 40 65 70 75 80 85 40 91 10 115 120 SUM	3.7 MINUTES LESS	FOR TOR	20 20	AIRSPE 30	40 0-7	0-2 0-4	40000, 60 0.8 0.3 0.6	70 0.8 0.1 0.1 0.4	80	LESS 90	100	110	120	SUM 3-6 0-3 0-2 0-4 0-7 0-1 0-4
SUM LESS 40 65 70 75 80 85 100 105 115 120 SUM	9.7 MINUTES LESS LESS	FOR TOR	QUEZ VS	AIRSPE 30	40 0-7	0.2 0.4	40000, 60 0.8 0.3 0.6	70 0.8 0.1 0.1 0.4	SO STITUDE	LESS				SUM 3.6 0.3 0.2 0.4 0.7 0.1 0.4
SUM LESS 40 65 75 80 85 100 105 110 115 120 SUM	3.7 MINUTES LESS LESS	FOR TOR	QUEZ VS	AIRSPE 30	40 0-7	0-2 0-4	40000, 60 0.8 0.3 0.6	70 0.8 0.1 0.1 0.4	SO STITUDE	LESS				SUM 3.6 0.3 0.2 0.7 0.1 0.4
SUM LESS 40 60 67 75 80 85 95 100 105 110 115 120 SUM	MINUTES LESS	FOR TOR	QUEZ VS	AIRSPE 30	40 0-7	2.0 WEIGHT 50 1.4  2.0  2.0  0.2	40000, 60 0.8 0.3 0.6 40000, 60 1.1 0.3	70 0.8 0.1 0.1 0.4	SO STITUDE	LESS				SUM 3.6 0.3 0.2 0.7 0.1 0.4 5.7 SUM 3.6 0.3
SUM LESS 40 65 75 80 85 100 105 110 115 120 SUM	MINUTES LESS MINUTES LESS	FOR TOR	QUEZ VS	AIRSPE 30	40 0-7	2.0 MEIGHT 50 1.4  2.0 MEIGHT 50 1.0	40000, 60 0.8 0.3 0.6	70 0.8 0.1 0.1 0.4	SO STITUDE	LESS				SUM 3.6 0.3 0.2 0.4 0.7 0.1 0.4 5.7 SUM 3.6 0.3
SUM  LESS 40 60 67 70 75 80 87 100 115 120 SUM  LESS 40 60 67 75 80 85	MINUTES LESS	FOR TOR	QUEZ VS	AIRSPE 30	40 0-7	2-0 MEIGHT 50 1-4 0-2 0-4 0-2 0-1 0-7 0-1	40000, 60 0.8 0.3 0.6 40000, 60 1.1 0.3	70 0.8 0.1 0.1 0.4	SO STITUDE	LESS				SUM 3.6 0.3 0.2 0.7 0.1 0.4 5.7 SUM 3.6 0.3
SUM LESS 40 60 67 75 80 83 95 100 105 110 115 120 66 67 77 80 85 80	MINUTES LESS	FOR TOR	QUEZ VS	AIRSPE 30	40 0-7	2.0 0.2 0.4 2.0 MEIGHT 50 1.0	40000, 60 0.8 0.3 0.6 40000, 60 1.1 0.3	70 0.8 0.1 0.1 0.4	SO STITUDE	LESS				SUM 3-6 0-3 0-2 0-4 0-7 0-1 0-4 5-7 SUM 3-6 0-3
SUM 60 65 75 80 85 100 105 115 120 SUM LESS 40 60 65 70 75 80 85 95 100 105 115 115 115 115 115 115 115 11	MINUTES LESS	FOR TOR	QUEZ VS	AIRSPE 30 AIRSPE 30	40 0-7	2-0 MEIGHT 50 1-4 0-2 0-4 0-2 0-1 0-7 0-1	40000, 60 0.8 0.3 0.6 40000, 60 1.1 0.3	70 0.8 0.1 0.1 0.4	SO STITUDE	LESS				SUM 3.6 0.3 0.2 0.7 0.1 0.4 5.7 SUM 3.6 0.3
SUM LESS 40 60 67 75 80 85 95 100 105 115 125 220 66 67 77 75 80 80 80 80 80 80 80 80 80 80 80 80 80	MINUTES LESS	FOR TOR	QUEZ VS	AIRSPE 30 AIRSPE 30	40 0-7	2-0 MEIGHT 50 1-4 0-2 0-4 0-2 0-1 0-7 0-1	40000, 60 0.8 0.3 0.6 40000, 60 1.1 0.3	70 0.8 0.1 0.1 0.4	SO STITUDE	LESS				SUM 3.6 0.3 0.2 0.7 0.1 0.4 5.7 SUM 3.6 0.3
SUM 60 65 75 80 85 100 105 115 120 SUM LESS 40 60 65 70 75 80 85 95 100 105 115 115 115 115 115 115 115 11	3.7 MINUTES LESS	FOR TOR	QUEZ VS	AIRSPE 30 AIRSPE 30	40 0-7	2-0 MEIGHT 50 1-4 0-2 0-4 0-2 0-1 0-7 0-1	40000, 60 0.8 0.3 0.6	70 0.8 0.1 0.1 0.4	SO STITUDE	LESS				SUM 3.6 0.3 0.2 0.7 0.1 0.4 5.7 SUM 3.6 0.3

TABLE XLIII - Continued

(	MINUTES	FOR TOR	QUE1 VS	AIRSPE	ED BY	WEIGHT	40000,	BY A	LTITUDE	1000				
LESS 40 40	1.1 0.5 0.2	10 0.5	20 0.6 1.1	30 5.0 1.9	40 4.8 0.9	50 3.5 1.0 0.5 0.1	60 6.4 4.8 0.9 0.2	70 7.7 2.2 0.1 0.5	80 5.0 0.d	90 1.8 0.4	100	110	120	SUM 34.6 14.6 1.9 0.9
70 75 80 85 90 95 100 105 110 115 120 SUM			1.7	6.8	5.7	5.1	13.0	0.2	5.8	2.2				0.7 0.3 0.1
	1.7	0.5					40000,		LTITUDE	1000				,,,,
										90	100	110	120	SUM
LESS 40	LESS	0.3 0.3	20 0.1 2.5	30 6.6 1.4	40 6-2 1-2	50 2.8 0.5	8-1 4-8	70 7.5 3.9	2.9	0.2	100	110	120	34.8
60			0-4	0.1			1.0	0.4						0.9
70			***			0.2	0.3	0.2						0.7
75 80 85						0.2	0.1	0.1						0.1
90 95 100 105 110 115														
SUM		0.6	3.2	0.1	7.4	3.7	14.5	12.7	2.9	0.2				53.3
,	MINUIE2	FOR TOR	QUE1 VS	AIRSPE	ED BY	WEIGHT	40000,	BY A	TITUDE	2000				
	LESS	FOR TOR	20	30	40	50	60	70	80	90	100	110	120	SUM
LESS	LESS	10	20 1.3	30 10.4	40 15.3	50 11.9	60 10-4	70 10-1	80 11.2	90 8.1	100	110 0.1	120	81.0
LESS 40 60	LESS 1.0 0.0	10 1.8 0.9	20 1.3 3.5 0.5	30 10.4 9.1 2.9	40 15.3 37.9 25.2	50 11.9 30.3 49.6	60 10.4 30.1 44.7	70 10.1 32.9 7.1	80	90			120	81.0 161.3 132.0
LESS 40	LESS 1.0	10 1.8	20 1.3 3.5	30 10.4 9.1	40 15.3 37.9	50 11.9 30.3	60 10.4 30.1	70 10.1 32.9	80 11.2 14.3	90 8.1			120	81.0
LESS 40 60 65 70 75	1.0 0.0 0.0	1.8 0.9 0.3 0.8 1.2	20 1.3 3.5 0.5 2.2 1.0	30 10.4 9.1 2.9 4.9	40 15.3 37.9 25.2 43.0 20.5 6.0	50 11.9 30.3 49.6 55.5 31.1 32.6	60 10.4 30.1 44.7 26.9 15.4	70 10.1 32.9 7.1	80 11-2 14-3 1-1	90 8.1			120	81.0 161.3 132.0 144.6 76.8 56.1
LESS 40 60 65 70 75 80 85	1.0 0.0 0.0	1.8 0.9 0.3 0.8	20 1.3 3.5 0.5 2.2 1.0	30 10.4 9.1 2.9 4.9	40 15.3 37.9 25.2 43.0 20.5	50 11.9 30.3 49.6 55.5 31.1	60 10.4 30.1 44.7 26.9	70 10.1 32.7 7.1 11.6	80 11-2 14-3 1-1	90 8.1			120	81.0 161.3 132.0 144.6 76.8
LESS 40 60 65 70 75 80 85 90 95 100	1.0 0.0 0.0	1.8 0.9 0.3 0.8 1.2	20 1.3 3.5 0.5 2.2 1.0 0.9	30 10.4 9.1 2.9 4.9 4.3 0.9	40 15.3 37.9 25.2 43.0 20.5 6.0 2.5	50 11.9 30.3 49.6 55.5 31.1 32.6 7.8	60 10.4 30.1 44.7 26.9 15.4 11.5	70 10.1 32.7 7.1 11.6	80 11-2 14-3 1-1	90 8.1			120	81.0 161.3 132.0 144.6 76.8 56.1 29.2
LESS 40 60 65 70 75 80 95 90	1.0 0.0 0.0	1.8 0.9 0.3 0.8 1.2	20 1.3 3.5 0.5 2.2 1.0 0.9	30 10.4 9.1 2.9 4.9 4.3 0.9	40 15.3 37.9 25.2 43.0 20.5 6.0 2.5	50 11.9 30.3 49.6 55.5 31.1 32.6 7.8	60 10.4 30.1 44.7 26.9 15.4 11.5	70 10.1 32.7 7.1 11.6	80 11-2 14-3 1-1	90 8.1			120	81.0 161.3 132.0 144.6 76.8 56.1 29.2
LESS 40 60 65 70 75 80 85 90 95 100 115 120 SUM	1.0 0.0 0.0 1.9 0.5	10 1.8 0.9 0.3 0.8 1.2 0.4	20 1.3 3.5 0.5 2.2 1.0 0.9 0.5	30 10.4 9.1 2.9 4.9 4.3 0.9 0.3 0.4	40 15.3 37.9 25.2 43.0 20.5 6.0 2.5 0.8	50 11.9 30.3 49.6 55.5 31.1 32.6 7.8 0.3	60 10-4 30-1 44-7 26-9 15-5 18-0 7-2	70 10-1 32-9 7-1 11-6 1-4 2-6	80 11.2 14.3 1.1	90 6.1 0.3	2.2	0.1	120	81.0 161.3 132.0 144.6 76.8 56.1 29.2 8.6 0.7
LESS 40 60 65 70 75 80 95 100 115 120 SUM	1.0 0.0 0.0 1.9 0.5	10 1.8 0.9 0.3 0.8 1.2 0.4	20 1.3 3.5 0.5 2.2 1.0 0.9 0.5 0.2	30 10.4 9.1 2.9 4.9 0.9 0.3 0.4	40 15.3 37.9 25.2 43.0 20.5 6.0 2.5 0.6	50 11.9 30.3 49.6 55.5 31.1 32.6 7.8 0.3	10-4 30-1 44-7 26-9 15-4 11-5 18-0 7-2	70 10-1 32-9 7-1 11-6 1-4 2-6	80 11.2 14.3 1.1 0.4	90 8-1 0-3	2.2	0.1	120	81.0 161.3 132.0 144.6 76.8 56.1 29.2 8.6 0.7
LESS 40 60 65 70 75 80 85 90 95 100 115 120 SUM	1.0 0.0 0.0 1.9 0.5	10 1.8 0.9 0.3 0.8 1.2 0.4	20 1.3 3.5 0.5 2.2 1.0 0.9 0.5 0.2	30 10.4 9.1 2.9 4.9 4.3 0.9 0.3 0.4	40 15.3 37.9 25.2 43.0 20.5 6.0 2.5 0.8	50 11.9 30.3 49.6 55.5 31.1 32.6 7.8 0.3	60 10.4 30.1 44.7 24.9 15.4 11.5 18.0 7.2	70 10-1 32-9 7-1 11-6 1-4 2-6	80 11.2 14.3 1.1 0.4	90 8.1 0.3	2.2	0.1		81.0 161.3 132.0 144.6 76.8 56.1 29.2 8.6 0.7
LESS 40 60 65 70 75 80 85 90 95 110 115 120 SUM	1.0 0.0 0.0 1.9 0.5 41 NUTES LESS 0.1 0.2	10 1.8 0.9 0.3 0.8 1.2 0.4 5.4 FOR TORK	20 1.3 3.5 0.5 2.2 1.0 0.9 0.5 0.2	30 10-4 9-1 2-9 4-3 0-9 0-3 0-4 33-1 AIRSPEI 30 9-4 16-7 4-3	40 15.3 37.9 25.2 43.0 20.5 6.0 2.5 0.8	50 11.9 30.3 49.6 55.5 31.1 32.6 7.8 0.3 219.1 4EIGHT 50 11.0 36.7 48.2	10-4 30-1 44-7 26-9 15-4 11-5 18-0 7-2 164-3 40000, 60 19-0 44-6 46-3	70 10-1 32-9 7-1 11-6 1-4 2-6	80 11.2 14.3 1.1 0.4	90 8-1 0-3	2.2	0.1		81.0 161.3 132.0 144.6 76.8 56.1 29.2 8.6 0.7
LESS 40 60 65 70 105 120 SUM	1.0 0.0 0.0 1.9 0.5	10 1.8 0.9 0.3 0.8 1.2 0.4	20 1.3 3.5 0.5 2.2 1.0 0.9 0.5 0.2	30 10.4 9.1 2.9 4.9 4.3 0.9 0.3 0.4 33.1 AIRSPE:	40 15.3 37.9 25.2 43.0 20.5 0.8 151.2 ED BY 1	50 11.9 30.3 49.6 55.5 31.1 32.6 7.8 0.3	60 10-4 30-1 44-7 26-9 15-4 11-5 18-0 7-2	70 10-1 32-9 7-1 11-6 1-4 2-6	80 11.2 14.3 1.1 0.4	90 8-1 0-3	2.2	0.1		81.0 161.3 132.0 144.6 76.8 56.1 29.2 8.6 0.7 690.2 SUM 61.0 161.3 132.0 144.6
LESS 40 60 65 70 75	1.0 0.0 0.0 1.9 0.5	10 1.8 0.9 0.3 0.8 1.2 0.4 FOR TORK	20 1.3 3.5 0.5 2.2 1.0 0.9 0.5 0.2	30 10.4 9.1 2.9 4.3 0.9 0.3 0.4 33.1 AIRSPEI 30 9.4 4.3 3.3 6.4 4.3	400 15.3 37.9 25.2 43.0 20.5 6.0 2.5 0.8 151.2 ED 8Y 1 40 20.1 33.2 23.7 56.9 29.3 10.4	50 11.9 30.3 49.6 55.5 31.1 32.6 7.8 0.3 219.1 4EIGHT 50 11.0 36.7 48.2 48.4 21.3 30.5	60 10.4 30.1 44.7 26.9 11.5 18.0 7.2	70 10-1 32-9 7-1 11-6 12-6 65-6 BY AL 70 12-2 23-3 6-7 5-9 2-5 4-7	80 11.2 14.3 1.1 0.4	90 8-1 0-3	2.2	0.1		81.0 161.3 132.0 144.6 76.8 56.1 29.2 8.6 0.7
LESS 40 60 65 75 80 85 100 115 120 SUM	1.0 0.0 0.0 1.9 0.5	10 1.8 0.9 0.3 0.8 1.2 0.4 5.4 FOR TORC 0.1 0.3	20 1.3 3.5 0.5 2.2 1.0 0.9 0.5 0.2	30 10.4 9.1 2.9 4.9 4.3 0.9 0.3 0.4 33.1 AIRSPEI 30 9.4 16.7 4.3 3.3 3.3 6.4	40 15.3 37.9 25.2 43.0 20.5 6.0 2.5 0.8 151.2 ED 8Y 1 40 20.1 33.2 23.7 56.9 29.3 10.4	50 11.9 30.3 49.6 55.5 31.1 32.6 7.8 0.3 219.1 48194 48.2 48.4 21.3 30.5 11.0	164-3 40000, 60 19-0 44-6 46-3 26-2 13-9	70 10-1 32-9 7-1 11-6 1-4 2-6 85-6 87 AL 70 12-2 23-3 6-7 5-9 2-5	80 11.2 14.3 1.1 0.4	90 8-1 0-3	2.2	0.1		81.0 161.3 132.0 144.6 76.8 56.1 29.2 8.6 0.7
LESS 40 60 65 75 80 85 95 100 115 120 SUM	1.0 0.0 0.0 1.9 0.5	10 1.8 0.9 0.3 0.8 1.2 0.4 5.4 FOR TORC 10 0.1 0.3	20 1.3 3.5 0.5 2.2 1.0 0.9 0.5 0.2	30 10.4 9.1 2.9 4.3 0.9 0.3 0.4 33.1 AIRSPEC 30 9.4 16.7 4.3 3.3 6.4 3.1 2.3	400 15.3 37.9 25.2 43.0 20.5 6.0 2.5 0.8 151.2 ED 8Y 1 40 20.1 33.2 23.7 56.9 29.3 10.4	50 11.9 30.3 49.6 55.5 31.1 32.6 7.8 0.3 219.1 4EIGHT 50 11.0 36.7 48.4 21.3 30.5 11.2	10-4 30-1 44-7 26-9 15-4 11-5 18-0 7-2 164-3 40000, 40-1 40-3 26-2 13-9 6-1 11-0	70 10-1 32-9 7-1 11-6 12-6 65-6 BY AL 70 12-2 23-3 6-7 5-9 2-5 4-7	80 11.2 14.3 1.1 0.4	90 8-1 0-3	2.2	0.1		81.0 161.3 132.0 144.6 76.8 56.1 29.2 8.6 0.7
LESS 400 65 75 100 115 120 65 70 75 80 85 90 95 100 85 90 95 100 85 90 95 100 85 90 95 100	1.0 0.0 0.0 1.9 0.5	10 1.8 0.9 0.3 0.8 1.2 0.4 5.4 FOR TORC 10 0.1 0.3	20 1.3 3.5 0.5 2.2 1.0 0.9 0.5 0.2	30 10.4 9.1 2.9 4.3 0.9 0.3 0.4 33.1 AIRSPEC 30 9.4 16.7 4.3 3.3 6.4 3.1 2.3	40 15.3 37.9 25.2 43.0 20.5 6.0 2.5 0.8 151.2 ED 8Y 1 40 20.1 33.2 23.7 56.9 29.3 10.4	50 11.9 30.3 49.6 55.5 31.1 32.6 7.8 0.3 219.1 48194 48.2 48.4 21.3 30.5 11.0	10-4 30-1 44-7 26-9 15-4 11-5 18-0 7-2 164-3 40000, 40-1 40-3 26-2 13-9 6-1 11-0	70 10-1 32-9 7-1 11-6 12-6 65-6 BY AL 70 12-2 23-3 6-7 5-9 2-5 4-7	80 11.2 14.3 1.1 0.4	90 8-1 0-3	2.2	0.1		81.0 161.3 132.0 144.6 76.8 56.1 29.2 8.6 0.7 690.2 SUM 81.0 161.3 132.0 144.6 76.8 56.1 29.2 8.6
LESS 40 60 65 75 80 85 120 SUM  LESS 40 60 65 70 75 80 85 90 90 105	1.0 0.0 0.0 1.9 0.5	10 1.8 0.9 0.3 0.8 1.2 0.4 5.4 FOR TORC 10 0.1 0.3	20 1.3 3.5 0.5 2.2 1.0 0.9 0.5 0.2	30 10.4 9.1 2.9 4.3 0.9 0.3 0.4 33.1 AIRSPEC 30 9.4 16.7 4.3 3.3 6.4 3.1 2.3	40 15.3 37.9 25.2 43.0 20.5 6.0 2.5 0.8 151.2 ED 8Y 1 40 20.1 33.2 23.7 56.9 29.3 10.4	50 11.9 30.3 49.6 55.5 31.1 32.6 7.8 0.3 219.1 48194 48.2 48.4 21.3 30.5 11.0	10-4 30-1 44-7 26-9 15-4 11-5 18-0 7-2 164-3 40000, 40-1 40-3 26-2 13-9 6-1 11-0	70 10-1 32-9 7-1 11-6 12-6 65-6 BY AL 70 12-2 23-3 6-7 5-9 2-5 4-7	80 11.2 14.3 1.1 0.4	90 8-1 0-3	2.2	0.1		81.0 161.3 132.0 144.6 76.8 56.1 29.2 8.6 0.7 690.2 SUM 81.0 161.3 132.0 144.6 76.8 56.1 29.2 8.6
LESS 400 65 75 100 115 120 65 70 75 80 85 90 95 100 85 90 95 100 85 90 95 100 85 90 95 100	1.0 0.0 0.0 1.9 0.5	10 1.8 0.9 0.3 0.8 1.2 0.4 5.4 FOR TORC 10 0.1 0.3	20 1.3 3.5 0.5 2.2 1.0 0.9 0.5 0.2	30 10.4 9.1 2.9 4.3 0.9 0.3 0.4 33.1 AIRSPEC 30 9.4 16.7 4.3 3.3 6.4 3.1 2.3	40 15.3 37.9 25.2 43.0 20.5 6.0 2.5 0.8 151.2 ED 8Y 1 40 20.1 33.2 23.7 56.9 29.3 10.4	50 11.9 30.3 49.6 55.5 31.1 32.6 7.8 0.3 219.1 48194 48.2 48.4 21.3 30.5 11.0	10-4 30-1 44-7 26-9 15-4 11-5 18-0 7-2 164-3 40000, 40-1 40-3 26-2 13-9 6-1 11-0	70 10-1 32-9 7-1 11-6 12-6 65-6 BY AL 70 12-2 23-3 6-7 5-9 2-5 4-7	80 11.2 14.3 1.1 0.4	90 8-1 0-3	2.2	0.1		81.0 161.3 132.0 144.6 76.8 56.1 29.2 8.6 0.7 690.2 SUM 81.0 161.3 132.0 144.6 76.8 56.1 29.2 8.6

TABLE XLIII - Continued

				1.4		. ALI	.11 - '	Olleria	ueu					
м	INUTES	FOR TORK	QUE1 VS	AIRSPE	ED BY W	EIGHT	40000.	BY AL	TITUDE	5000				
LESS	LESS	10	20	30	40	50	60	70	80	90	100	110	120	SUM
40				0.7	1.3	1.4		0.8						4.2
60					0.3	0.7	1.9	1.3	1.0					5.2
65				0.1	6.5	0.4	4.9	0.2						12.1
70				0.1	1.3	2.4	0.6							4.4
75			1.6	1.7	0.1	0.0	0.1							4.4
90			0.2	2.2		0.3								2.6
85				1.2										
90														
100														
105														
110														
115														
120							•		•					34.2
SUM			1.8	6.0	9.5	6.1	7.6	2.2	1.0					34.2
	INUTES	FOR TOR	QUEZ VS	AIRSPE	ED 87 H	EIGHT	40000.	87 41	LTITUUE	5000				
	LESS	10	20	30	40	50	60	70	80	90	100	110	120	SUM
LESS														
40				0.2	2.6	0.6	0.3	0.5						4.2
60				0.0	0.7	0.3	1.9	1.3	1.0					5.2
70				0.0	4.7	2.4	5.2 0.6		0.2					12.1
75			1.9	1.1	0.4	1.0	0.0							4.4
80			1.7	0.7	•••	0.3								2.6
35			0.6	0.6										1.2
90														
95														
100														
105														
115														
120														
SUM			4.3	2.8	9.8	6.5	7.9	1.8	1.2					34.2
	INUTES	FOR TOR	OUF1 VS	ATRSPE	FD 84 W	FIGHT	40000.	AV AI	TITUDE	SILM				
			QUE1 VS				40000.		TITUDE	SUM	100	110	1.10	
•	LESS	FOR TOR	20	30	40	50	60	70	80	90	100	110	120	SUM
	LESS	10	50		40 20.7		60 17.6	70 18.5	80 16-2	90	100	110	120	SUM 119.4
LESS			20	30 15.3	40	50 16-8	60	70	80	90			120	SUM
LESS 40 60	2-1 0-5 0-2	10 2.3 0.9 0.3	20 2.0 4.0 0.5 2.2	30 15.3 11.7 2.9 5.0	40 20.7 40.1 25.6 49.5	50 16.8 32.7 50.7 56.0	60 17.6 35.2 47.5 32.0	70 18.5 35.8 8.4 12.3	80 16.2 15.2 2.1	90			120	SUM 119-4 180-4 139-1 157-6
LESS 40 60 65 70	2.1 0.5 0.2 1.9	2.3 0.9 0.3	20 2.0 4.6 0.5 2.2 1.0	30 15.3 11.7 2.9 5.0	40 20.7 40.1 25.6 49.5 21.8	50 16.8 32.7 50.7 56.0 33.7	60 17.6 35.2 47.5 32.0 16.5	70 18.5 35.8 8.4 12.3	80 16.2 15.2	90			120	SUM 119.4 180.4 139.1 157.6 82.2
LESS 40 60 65 70 75	2-1 0-5 0-2	2.3 0.9 0.3 0.8 1.2	20 2.0 4.6 0.5 2.2 1.0 2.5	30 15.3 11.7 2.9 5.0 4.4 2.5	40 20.7 40.1 25.6 49.5 21.8 6.1	50 16.8 32.7 50.7 56.0 33.7 33.8	60 17.6 35.2 47.5 32.0 16.5	70 18.5 35.8 8.4 12.3 1.6 2.7	80 16.2 15.2 2.1	90			120	SUM 119.4 180.4 139.1 157.6 82.2 61.2
LESS 40 60 65 70 75	2.1 0.5 0.2 1.9	2.3 0.9 0.3	20 2.0 4.6 0.5 2.2 1.0	30 15.3 11.7 2.9 5.0 4.4 2.5 2.2	40 20.7 40.1 25.6 49.5 21.8 6.1 2.5	50 16.8 32.7 50.7 56.0 33.7 33.6 8.1	40 17.6 35.2 47.5 32.0 16.5 11.9	70 18.5 35.8 8.4 12.3 1.6 2.7	80 16.2 15.2 2.1	90			120	SUM 119.4 180.4 139.1 157.6 82.2 61.2 32.6
LESS 40 60 65 70 75 80	2.1 0.5 0.2 1.9	2.3 0.9 0.3 0.8 1.2	20 4.0 4.6 0.5 2.2 1.0 2.5 0.7	30 15.3 11.7 2.9 5.0 4.4 2.5 2.2	40 20.7 40.1 25.6 49.5 21.8 6.1	50 16.8 32.7 50.7 56.0 33.7 33.8	60 17.6 35.2 47.5 32.0 16.5	70 18.5 35.8 8.4 12.3 1.6 2.7 0.2 0.1	80 16.2 15.2 2.1	90			120	SUM 119.4 180.4 139.1 157.6 82.2 61.2 32.6 10.0
LESS 40 60 65 70 75	2.1 0.5 0.2 1.9	2.3 0.9 0.3 0.8 1.2	20 2.0 4.6 0.5 2.2 1.0 2.5	30 15.3 11.7 2.9 5.0 4.4 2.5 2.2	40 20.7 40.1 25.6 49.5 21.8 6.1 2.5	50 16.8 32.7 50.7 56.0 33.7 33.6 8.1	40 17.6 35.2 47.5 32.0 16.5 11.9	70 18.5 35.8 8.4 12.3 1.6 2.7	80 16.2 15.2 2.1	90			120	SUM 119.4 180.4 139.1 157.6 82.2 61.2 32.6
LESS 40 60 65 70 75 80 85	2.1 0.5 0.2 1.9	2.3 0.9 0.3 0.8 1.2	20 4.0 4.6 0.5 2.2 1.0 2.5 0.7	30 15.3 11.7 2.9 5.0 4.4 2.5 2.2	40 20.7 40.1 25.6 49.5 21.8 6.1 2.5	50 16.8 32.7 50.7 56.0 33.7 33.6 8.1	40 17.6 35.2 47.5 32.0 16.5 11.9	70 18.5 35.8 8.4 12.3 1.6 2.7 0.2 0.1	80 16.2 15.2 2.1	90			120	SUM 119.4 180.4 139.1 157.6 82.2 61.2 32.6 10.0
LESS 40 60 65 70 85 90 90 100 105	2.1 0.5 0.2 1.9	2.3 0.9 0.3 0.8 1.2	20 4.0 4.6 0.5 2.2 1.0 2.5 0.7	30 15.3 11.7 2.9 5.0 4.4 2.5 2.2	40 20.7 40.1 25.6 49.5 21.8 6.1 2.5	50 16.8 32.7 50.7 56.0 33.7 33.6 8.1	40 17.6 35.2 47.5 32.0 16.5 11.9	70 18.5 35.8 8.4 12.3 1.6 2.7 0.2 0.1	80 16.2 15.2 2.1	90			120	SUM 119.4 180.4 139.1 157.6 82.2 61.2 32.6 10.0
LESS 40 65 70 75 80 85 90 95 100 105 110	2.1 0.5 0.2 1.9	2.3 0.9 0.3 0.8 1.2	20 4.0 4.6 0.5 2.2 1.0 2.5 0.7	30 15.3 11.7 2.9 5.0 4.4 2.5 2.2	40 20.7 40.1 25.6 49.5 21.8 6.1 2.5	50 16.8 32.7 50.7 56.0 33.7 33.6 8.1	40 17.6 35.2 47.5 32.0 16.5 11.9	70 18.5 35.8 8.4 12.3 1.6 2.7 0.2 0.1	80 16.2 15.2 2.1	90			120	SUM 119.4 180.4 139.1 157.6 82.2 61.2 32.6 10.0
LESS 40 60 65 70 75 80 85 100 105 110 115	2.1 0.5 0.2 1.9	2.3 0.9 0.3 0.8 1.2	20 4.0 4.6 0.5 2.2 1.0 2.5 0.7	30 15.3 11.7 2.9 5.0 4.4 2.5 2.2	40 20.7 40.1 25.6 49.5 21.8 6.1 2.5	50 16.8 32.7 50.7 56.0 33.7 33.6 8.1	40 17.6 35.2 47.5 32.0 16.5 11.9	70 18.5 35.8 8.4 12.3 1.6 2.7 0.2 0.1	80 16.2 15.2 2.1	90			120	SUM 119.4 180.4 139.1 157.6 82.2 61.2 32.6 10.0
LESS 40 60 65 75 80 85 100 105 110 115 120	LESS 2-1 0-5 0-2 1-9 0-5	10 2.3 0.9 0.3 0.8 1.2	20 2.0 4.0 0.5 2.2 1.0 2.5 0.7	30 15.3 11.7 2.9 5.0 4.4 2.5 2.2 1.5	40 20.7 40.1 25.6 49.5 21.8 6.1 2.5 0.8	50 16-8 32-7 50-7 56-0 33-7 33-8 8-1 0-3	60 17-6 35-2 47-5 32-0 16-5 11-9 18-6 7-2	70 18.5 35.8 8.4 12.3 1.6 2.7 0.2 0.1	80 16.2 15.2 2.1 0.4	90 9.9 0.7	2.2	0.1	120	SUM 119.4 180.4 139.1 157.6 82.2 61.2 32.6 10.0
LESS 40 60 65 70 75 80 85 100 105 110 115	2.1 0.5 0.2 1.9	2.3 0.9 0.3 0.8 1.2	20 4.0 4.6 0.5 2.2 1.0 2.5 0.7	30 15.3 11.7 2.9 5.0 4.4 2.5 2.2 1.5	40 20.7 40.1 25.6 49.5 21.8 6.1 2.5	50 16-8 32-7 50-7 56-0 33-7 33-8 8-1 0-3	60 17-6 35-2 47-5 32-0 16-5 11-9 18-6 7-2	70 18.5 35.8 8.4 12.3 1.6 2.7 0.2 0.1	80 16.2 15.2 2.1 0.4	90			120	SUM 119.4 180.4 139.1 157.6 82.2 61.2 32.6 10.0
LESS 40 65 70 75 80 85 90 105 110 115 120 SUM	LESS 2-1 0-5 0-2 1-9 0-5	10 2.3 0.9 0.3 0.8 1.2 0.4	20 2.0 4.0 0.5 2.2 1.0 2.5 0.7	30 15.3 11.7 2.9 5.0 4.4 2.5 2.2 1.5 0.4	40 20.7 40.1 25.6 49.5 21.8 6.1 2.5 0.8	50 16-8 32-7 50-7 56-0 33-6 8-1 0-3	60 17-6 35-2 47-5 32-0 16-5 11-9 18-6 7-2	70 18.5 35.8 8.4 12.3 1.6 2.7 0.2 0.1 0.4	80 16.2 15.2 2.1 0.4	90 9.9 0.7	2.2	0.1	120	SUM 119.4 180.4 139.1 157.6 82.2 61.2 32.6 10.0
LESS 40 65 70 75 80 85 90 105 110 115 120 SUM	LESS 2-1 0-5 0-2 1-9 0-5	10 2.3 0.9 0.3 0.8 1.2 0.4	20 2.0 4.9 0.5 2.2 1.0 2.9 0.7 0.2	30 15-3 11-7 2-9 5-0 4-4 2-5 2-2 1-5 0-4	400 20.7 40.1 25.6 49.5 21.8 6.1 2.5 0.8	50 16-8 32-7 50-7 56-0 33-8 8-1 0-3	60 17-6 35-2 47-5 32-0 16-5 11-9 18-6 7-2	70 18.5 35.8 8.4 12.3 1.6 2.7 0.2 0.1 0.4	80 16.2 15.2 2.1 0.4	90 9-9 0-7	2.2	0.1		SUM 119.4 180.4 139.1 157.6 62.2 61.2 32.6 10.0 1.0
LESS 400 65 70 75 80 85 90 100 105 110 SUM	LESS 2-1 0-5 0-2 1-9 0-5 5-2 MINUTES LESS	10 2.3 0.9 0.3 0.8 1.2 0.4	20 2.0 4.0 0.5 2.2 1.0 2.5 0.7	30 15-3 11-7 2-9 5-0 4-4 2-5 2-2 1-5 0-4	400 20.7 40.1 25.6 49.5 21.8 6.1 2.5 0.8	50 16-8 32-7 50-7 56-0 33-0 8-1 0-3	60 17.6 35.2 47.5 32.0 16.5 11.9 28.6 7.2	70 18.5 35.8 8.4 12.3 1.6 2.7 0.2 0.1 0.4	80 16.2 15.2 2.1 0.4	90 9.9 0.7	2.2	0.1	120	SUM 119.4 180.4 139.1 157.6 82.2 61.2 61.2 10.0 1.0
LESS 400 605 770 750 80 85 90 105 110 115 120 SUM	10.5 0.5 0.5 1.9 0.5	10 2.3 0.9 0.8 1.2 0.4	20 2.0 4.9 0.5 2.2 1.0 2.5 0.7 0.2	30 15-3 11-7 2-9 5-0 4-4 2-5 2-2 1-5 0-4	400 20.7 40.1 25.6 49.5 21.8 6.1 2.5 0.8	50 16-8 32-7 50-7 56-0 33-8 8-1 0-3	60 17-6 35-2 47-5 32-0 16-5 11-9 18-6 7-2	70 18.5 35.8 8.4 12.3 1.6 2.7 0.2 0.1 0.4	33.9 LTITUUE	90 9-9 0-7	2.2	0.1		SUM 119.4 180.4 139.1 157.6 62.2 61.2 32.6 10.0 1.0
LESS 400 65 70 75 80 85 90 100 105 110 SUM	LESS 2-1 0-3 0-2 1-9 0-5 5-2 MINUTES LESS 0-1	10 2.3 0.9 0.3 0.8 1.2 0.4	20 2.0 4.0 0.5 2.2 1.0 2.5 0.7	30 15-3 11-7 2-9 5-0 4-4 2-5 2-2 1-5 0-4	400 20.7 40.1 25.6 49.5 21.8 6.1 2.5 0.8	50 16.8 32.7 50.7 50.7 33.7 33.8 8.1 0.3	60 17.6 35.2 47.5 32.0 16.5 11.9 28.6 7.2	70 18.5 35.8 8.4 12.3 1.6 2.7 0.2 0.1 0.4	80 16.2 15.2 2.1 0.4	90 9.9 0.7	2.2	0.1		SUM 119.4 180.4 139.1 157.6 82.2 61.2 61.2 10.0 1.0
LESS 400 605 770 750 85 900 105 110 5110 5UM	LESS 2-1 0-5 0-2 1-9 0-5 5-2 MINUTES LESS 0-1 0-5 0-2	10 2.3 0.9 0.3 0.8 1.2 0.4	20 2.0 4.0 0.5 2.2 1.0 2.5 C.7 0.2	30 15.3 11.7 2.9 5.0 4.4 2.9 2.2 1.5 0.4 46.0 16.5 18.3 4.5	400 20.7 40.1 25.6 49.5 21.8 6.1 2.5 0.8 167.0 EED BY 9	50 16-8 32-7 50-7 56-0 33-0 6-1 0-3 232-3 WEIGHT 50 14-8 37-8 48-5 50-3	17.6 35.2 47.5 32.0 16.5 11.9 18.6 7.2	70 18.5 35.8 8.4 12.3 1.6 2.7 0.1 0.4 80.0	80 16.2 15.2 2.1 0.4 33.9 LTITUUE 80 9.2 3.0 3.2 2.1	90 9.9 0.7	2.2	0.1		SUM 119-4 180-4 139-1 157-6 82-2 61-2 61-2 61-2 783-5
LESS 40 60 65 70 75 80 95 110 115 120 SUM	LESS 2-1 0-5 0-2 1-9 0-5 5-2 MINUTES LESS 0-1 0-5 0-2 0-3	10 2.3 0.9 0.3 0.8 1.2 0.4 5.9 FOR TOR 0.4 0.6	20 2.0 4.9 0.5 2.2 1.0 2.5 0.7 0.2	30 15-3 11-7 2-9 5-0 4-4 2-5 2-2 1-5 0-4 46-0 46-0 30 16-5 18-3 4-5 3-4-5	400 20.7 40.1 25.6 49.5 21.8 6.1 2.5 0.8 167.0 EED BY 9	50 16-8 32-7 50-7 50-7 33-7 33-8 8-1 0-3 232-3 WEIGHT 50 14-8 37-8 48-5 50-3 24-1	17.6 35.2 47.5 32.0 16.5 11.9 18.6 7.2	70 18.5 35.8 8.4 12.3 1.6 2.7 0.2 0.1 0.4	80 16.2 15.2 2.1 0.4	90 9.9 0.7	2.2	0.1		SUM 119.4 180.4 139.1 157.6 62.2 61.2 32.6 10.0 1.0 783.5
LESS 40 60 65 70 75 80 90 95 110 110 113 120 80 60 67 70 75	2-1 0-5 0-2 1-9 0-5 5-2 MINUTES LESS 0-1 0-5	10 2.3 0.9 0.3 0.8 1.2 0.4	20 2.0 4.6 0.5 2.2 1.0 2.9 0.7 0.2	30 15-3 11-7 2-9 5-0 4-4 2-5 2-2 1-5 0-4 46-0 16-5 18-3 4-5 3-4 6-5 4-2	400 20.7 40.1 25.6 49.5 21.8 6.1 2.5 0.8 167.0 EEO BY 9 40 27.3 37.00 24.4 61.6 30.6 10.8	50 16-8 32-7 50-7 50-0 33-7 33-8 8-1 0-3 232-3 MEIGHT 50 14-8 37-8 48-5 50-3 24-1 31-8	17.6 35.2 47.5 32.0 16.5 11.9 18.6 7.2	70 18.5 35.8 8.4 12.3 1.6 2.7 0.2 0.1 0.4	80 16.2 15.2 2.1 0.4 33.9 LTITUUE 80 9.2 3.0 3.2 2.1	90 9.9 0.7	2.2	0.1		SUM 119.4 180.4 139.1 157.6 62.2 61.2 32.6 10.0 1.0 783.5
LESS 400 605 700 750 850 905 1105 1105 1105 1105 1105 1105 110	1.0.5 0.2 1.9 0.5 5.2 MINUTES 0.1 0.5 0.2	10 2.3 0.9 0.3 0.8 1.2 0.4 5.9 FOR TOR 0.4 0.6	20 2.0 4.6 0.5 2.2 1.0 2.9 0.7 0.2	30 15.3 11.7 2.9 5.0 4.2.5 2.2 1.5 0.4 46.0 16.5 18.3 4.5 4.5 4.5 4.5	400 20.7 40.1 25.6 49.5 21.8 6.1 2.5 0.8 167.0 EED BY 9	50 16-8 32-7 50-7 50-7 33-0 8-1 0-3 232-3 WEIGHY 50 14-8 37-8 48-5 50-3 24-1 31-8 12-2	17.6 35.2 47.5 32.0 16.5 11.9 18.6 7.2 186.5 40000, 60 28.3 50.0 49.2 31.5 14.6 6.4	70 18.5 35.8 8.4 12.3 1.6 2.7 0.2 0.1 0.4	80 16.2 15.2 2.1 0.4 33.9 LTITUUE 80 9.2 3.0 3.2 2.1	90 9.9 0.7	2.2	0.1		SUM 119.4 180.4 189.1 157.6 82.2 61.2 61.2 61.0 1.0 783.5 SUM 119.4 180.4 180.4 139.1 157.6 62.2 61.2
LESS 40 605 70 75 80 85 90 105 110 115 SUM	LESS 2-1 0-5 0-5 1-9 0-5 5-2 MINUTES LESS 0-1 0-5 0-2 0-3	10 2.3 0.9 0.3 0.8 1.2 0.4 5.9 FOR TOR 0.4 0.6	20 2.0 4.6 0.5 2.2 1.0 2.9 0.7 0.2	30 15-3 11-7 2-9 5-0 4-4 2-5 2-2 1-5 0-4 46-0 16-5 18-3 4-5 3-4 6-5 4-2	400 20.7 40.1 25.6 49.5 21.8 6.1 2.5 0.8 167.0 EED BY 9 40 27.3 37.0 24.4 61.6 30.6 10.8	50 16-8 32-7 50-7 50-7 33-7 33-8 8-1 0-3 232-3 WEIGHT 50 48-5 50-3 24-1 31-8 12-2 0.5	17-6 35-2 47-5 32-0 16-5 11-9 18-6 7-2 186-5 40000. 60 28-3 50-0 49-2 31-5 14-8 6-4 11-1	70 18.5 35.8 8.4 12.3 1.6 2.7 0.2 0.1 0.4	80 16.2 15.2 2.1 0.4 33.9 LTITUUE 80 9.2 3.0 3.2 2.1	90 9.9 0.7	2.2	0.1		SUM 119.4 180.4 139.1 157.6 62.2 61.2 32.6 10.0 1.0 783.5 SUM 119.4 180.4 139.1 157.6 62.2 61.2 32.7
LESS 400 605 770 775 805 1100 1150 1200 805 1100 1150 1200 805 775 805 859 90	LESS 2-1 0-5 0-5 1-9 0-5 5-2 MINUTES LESS 0-1 0-5 0-2 0-3	10 2.3 0.9 0.3 0.8 1.2 0.4 5.9 FOR TOR 0.4 0.6	20 2.0 4.6 0.5 2.2 1.0 2.9 0.7 0.2	30 15.3 11.7 2.9 5.0 4.2.5 2.2 1.5 0.4 46.0 16.5 18.3 4.5 4.5 4.5 4.5	400 20.7 40.1 25.6 49.5 21.8 6.1 2.5 0.8 167.0 EEO BY 9 40 27.3 37.00 24.4 61.6 30.6 10.8	50 16-8 32-7 50-7 50-7 33-0 8-1 0-3 232-3 WEIGHY 50 14-8 37-8 48-5 50-3 24-1 31-8 12-2	17-6 35-2 47-5 32-0 16-5 11-9 18-6 7-2 186-5 40000. 60 28-3 50-0 49-2 31-5 14-8 6-4 11-1	70 18.5 35.8 8.4 12.3 1.6 2.7 0.2 0.1 0.4	80 16.2 15.2 2.1 0.4 33.9 LTITUUE 80 9.2 3.0 3.2 2.1	90 9.9 0.7	2.2	0.1		SUM 119.4 180.4 189.1 157.6 82.2 61.2 61.2 61.0 1.0 783.5 SUM 119.4 180.4 180.4 139.1 157.6 62.2 61.2
LESS 40 605 70 75 80 85 90 105 110 115 SUM	LESS 2-1 0-5 0-5 1-9 0-5 5-2 MINUTES LESS 0-1 0-5 0-2 0-3	10 2.3 0.9 0.3 0.8 1.2 0.4 5.9 FOR TOR 0.4 0.6	20 2.0 4.6 0.5 2.2 1.0 2.9 0.7 0.2	30 15.3 11.7 2.9 5.0 4.2.5 2.2 1.5 0.4 46.0 16.5 18.3 4.5 4.5 4.5 4.5	400 20.7 40.1 25.6 49.5 21.8 6.1 2.5 0.8 167.0 EED BY 40 27.3 37.0 24.4 61.6 30.6 10.8 1.1	50 16-8 32-7 50-7 50-7 33-7 33-8 8-1 0-3 232-3 WEIGHT 50 48-5 50-3 24-1 31-8 12-2 0.5	17-6 35-2 47-5 32-0 16-5 11-9 18-6 7-2 186-5 40000. 60 28-3 50-0 49-2 31-5 14-8 6-4 11-1	70 18.5 35.8 8.4 12.3 1.6 2.7 0.2 0.1 0.4	80 16.2 15.2 2.1 0.4 33.9 LTITUUE 80 9.2 3.0 3.2 2.1	90 9.9 0.7	2.2	0.1		SUM 119.4 180.4 139.1 157.6 62.2 61.2 32.6 10.0 1.0 783.5 SUM 119.4 180.4 139.1 157.6 62.2 61.2 32.7
LESS 400 605 700 755 800 655 700 755 800 655 700 755 800 600 655 700 755 800 905 1005 1005 1005 1005 1005 1005 100	LESS 2-1 0-5 0-5 1-9 0-5 5-2 MINUTES LESS 0-1 0-5 0-2 0-3	10 2.3 0.9 0.3 0.8 1.2 0.4 5.9 FOR TOR 0.4 0.6	20 2.0 4.6 0.5 2.2 1.0 2.9 0.7 0.2	30 15.3 11.7 2.9 5.0 4.2.5 2.2 1.5 0.4 46.0 16.5 18.3 4.5 4.5 4.5 4.5	400 20.7 40.1 25.6 49.5 21.8 6.1 2.5 0.8 167.0 EED BY 40 27.3 37.0 24.4 61.6 30.6 10.8 1.1	50 16-8 32-7 50-7 50-7 33-7 33-8 8-1 0-3 232-3 WEIGHT 50 48-5 50-3 24-1 31-8 12-2 0.5	17-6 35-2 47-5 32-0 16-5 11-9 18-6 7-2 186-5 40000. 60 28-3 50-0 49-2 31-5 14-8 6-4 11-1	70 18.5 35.8 8.4 12.3 1.6 2.7 0.2 0.1 0.4	80 16.2 15.2 2.1 0.4 33.9 LTITUUE 80 9.2 3.0 3.2 2.1	90 9.9 0.7	2.2	0.1		SUM 119.4 180.4 139.1 157.6 82.2 61.2 32.6 10.0 1.0 783.5 SUM 119.4 180.4 139.1 157.6 62.2 61.2 32.7
LESS 400 655 700 750 850 1050 1150 850 950 1050 1150 1150 1150 1150 1150 115	LESS 2-1 0-5 0-5 1-9 0-5 5-2 MINUTES LESS 0-1 0-5 0-2 0-3	10 2.3 0.9 0.3 0.8 1.2 0.4 5.9 FOR TOR 0.4 0.6	20 2.0 4.6 0.5 2.2 1.0 2.9 0.7 0.2	30 15.3 11.7 2.9 5.0 4.2.5 2.2 1.5 0.4 46.0 16.5 18.3 4.5 4.5 4.5 4.5	400 20.7 40.1 25.6 49.5 21.8 6.1 2.5 0.8 167.0 EED BY 40 27.3 37.0 24.4 61.6 30.6 10.8 1.1	50 16-8 32-7 50-7 50-7 33-7 33-8 8-1 0-3 232-3 WEIGHT 50 48-5 50-3 24-1 31-8 12-2 0.5	17-6 35-2 47-5 32-0 16-5 11-9 18-6 7-2 186-5 40000. 60 28-3 50-0 49-2 31-5 14-8 6-4 11-1	70 18.5 35.8 8.4 12.3 1.6 2.7 0.2 0.1 0.4	80 16.2 15.2 2.1 0.4 33.9 LTITUUE 80 9.2 3.0 3.2 2.1	90 9.9 0.7	2.2	0.1		SUM 119.4 180.4 139.1 157.6 82.2 61.2 32.6 10.0 1.0 783.5 SUM 119.4 180.4 139.1 157.6 62.2 61.2 32.7
LESS 400 655 770 750 859 905 1105 1120 SUM	LESS 2-1 0-5 0-5 1-9 0-5 5-2 MINUTES LESS 0-1 0-5 0-2 0-3	10 2.3 0.9 0.3 0.8 1.2 0.4 5.9 FOR TOR 0.4 0.6	20 2.0 4.6 0.5 2.2 1.0 2.9 0.7 0.2	30 15.3 11.7 2.9 5.0 4.2.5 2.2 1.5 0.4 46.0 16.5 18.3 4.5 4.5 4.5 4.5	400 20.7 40.1 25.6 49.5 21.8 6.1 2.5 0.8 167.0 EED BY 40 27.3 37.0 24.4 61.6 30.6 10.8 1.1	50 16-8 32-7 50-7 50-7 33-7 33-8 8-1 0-3 232-3 WEIGHT 50 48-5 50-3 24-1 31-8 12-2 0.5	17-6 35-2 47-5 32-0 16-5 11-9 18-6 7-2 186-5 40000. 60 28-3 50-0 49-2 31-5 14-8 6-4 11-1	70 18.5 35.8 8.4 12.3 1.6 2.7 0.2 0.1 0.4	80 16.2 15.2 2.1 0.4 33.9 LTITUUE 80 9.2 3.0 3.2 2.1	90 9.9 0.7	2.2	0.1		SUM 119.4 180.4 139.1 157.6 82.2 61.2 32.6 10.0 1.0 783.5 SUM 119.4 180.4 139.1 62.2 61.2 32.5
LESS 400 655 700 750 850 1050 1150 850 950 1050 1150 1150 1150 1150 1150 115	LESS 2-1 0-5 0-5 1-9 0-5 5-2 MINUTES LESS 0-1 0-5 0-2 0-3	10 2.3 0.9 0.3 0.8 1.2 0.4 5.9 FOR TOR 0.4 0.6	20 2.0 4.6 0.5 2.2 1.0 2.9 0.7 0.2	30 15-3 11-7 2-9 5-0 4-4 2-5 2-2 1-5 0-4 46-0 16-5 18-3 4-5 3-4 4-5 3-4 18-3	400 20.7 40.1 25.6 49.5 21.8 6.1 2.5 0.8 167.0 EED BY 400 27.3 37.0 24.4 61.6 10.8 1.1 0.2	50 16.8 32.7 50.7 50.7 33.7 33.8 8.1 0.3 232.3 WEIGHT 50 14.8 37.8 48.5 50.3 24.1 31.8 12.2 0.5	17-6 35-2 47-5 32-0 16-5 11-9 18-6 7-2 186-5 40000. 60 28-3 50-0 49-2 31-5 14-8 6-4 11-1	70 18.5 35.8 8.4 12.3 1.6 2.7 0.2 0.1 0.4  80.0  87 19.7 27.8 8.4 6.5 2.8 4.8 3.0	80 16.2 15.2 2.1 0.4 33.9 LTITUUE 80 9.2 3.0 3.2 2.1 0.d	90 9.9 0.7	2.2	0.1		SUM 119.4 180.4 139.1 157.6 62.2 61.2 32.6 10.0 1.0 783.5 SUM 119.4 180.4 139.1 157.6 62.2 61.2 32.7

TABLE XLIII - Concluded

	INUTES	FOR TO	RQUE1 V	S AIRSP	EED BY	WEIGHT	SUM,	87 4	ALT I TUJE	SUP			
	LESS	10	20	30	40	50	60	70	80	90	100	110	120 SUM
LESS	31.4	42.9	84.2				147.9	100.8	54.4	18.7	2.7	0.1	1412.3
40	75.8	47.9	77.7		279.8	246.8	170.9	98.2	21.3	0.8			1173.9
60	31.0	20.3	42.1	80.4	179.6	226.4	165.1	31.3	4.0				781.0
65	21.6	20.0	39.9	142.9		317-4	129.7	29.7	1.3				1010.0
70	28.0	21.9	54.9	167.2	317.5	265.4	85.5	8.7	0.7				949.7
75	25.5	26.4	78.3	249.0		199.7	54.8	3.6	C. 5				905.1
80	27.9	31.4	105.6	429.4	238.0	79.6	28.9	0.6	0.2				939.8
85	21.1	27.0	107.1	570.3	297.4	53.6	10.5	0.3	0.7				1087.5
90	20.1	19.4	84.4	521.9	327.9	28.3	1.0	0.6					1003.4
95	11.9	16.7	43.8	262.4	201.6	47.7	0.4						584.8
100	7.3	7.2	18.6	85.6	96.8	15.8	0.3						231.6
105	1.7	2.0	7.5	12.0	7.5	1.7	0.3						32.7
110	0.4			U.3	2.7		0.1						3.5
115					0.2								0.2
120													
SUM	304.4	282.9	742.1	2943.9	2934.1	1733.3	795.5	273.7	83.2	19.5	2.7	0.1	10115.5
•	INUTES	FOR TOP	QUES V	S AIRSP	EED BY	WEIGHT	SUM,	BY A	LTITUDE	SUP			
	LESS	10	20	30	40	50	60	70	60	90	100	110	120 SUM
LESS	17.2	34.3	129.9	404.6	429.2	179.9	136.0	57.4	21.6	2.2	100	110	1412.3
40	32.4	38.8	120.2	224.1	304.5	224.6	163.1	58.5	7.3	0.1			1173.9
60	9.5	18-0	48.3	127.4	219.6	205.2	130.9	16.6	5.5	0.2			781.0
65	8.5	22.3	62.8	165.8	411.3	232.8	88.3	14.0	4.2				1010.0
70	9.7	22.1	58.0	264.6	378.1	167.2	42.2	5.4	2.6				949.7
75	7.2	17.4	90.4	283.0	344.9	133.0	23.3	5.5	0.3				905.1
80	7.8	13.1	130.4	439.8	255.8	64.9	22.8	5.2					939.8
85	6.1	13.5	118.7	526.5	354.4	56.4	10.6	1.4					1087.5
90	5 . 8	8.8	74.5	424.2	408.8	77.0	3.7	0.5					1003.4
95	3.6	6.6	33.5	195.2	238.1	95.9	11.8						584.8
100	1.3	3.9	13.0	68.2	100.8	39.7	4.7						231.6
105	0.1	0.7	4.9	10.7	12.2	4.0	0.1						32.7
110			0.2	0.5	2.7		0.1						3.5
115					0.2								0.2
120													***
SUM	109.2	199.3	884.7	3134.7	3460.4	1480.7	637.6	164.5	41.9	2.5			10115.5

TABLE XLIV. TIME FOR ENGINE TORQUE VERSUS ROTOR RPM
BY MISSION SEGMENT, RATE OF CLIMB AND
OUTSIDE AIR TEMPERATURE, SAMPLE II

	MINUTES	FOR	TORQUE	VS	RPM BY	MISSION	SEG	ASCENT.	84	RATE	UF	CLIMA	-1200,	BY	DAT	70	
LESS	LESS		10	20	30	40	50	0 00		70		80	90	100	110	120	SUM
180 185 190 195 200							0.2	!									U.2
205 Sum		FOR	TORQUE	e vs	RP4 BY	MISSION	0.2 SEG	ASCENT.	RY	RATE	06	CLIMB	-1200	, BY	DAT	70	0.2
	LESS		10	20	30	40	50	60		70		<b>6</b> 0	90	100	110	120	SUM
LESS 180 185 190						0.1	0.1	ļ									0.2
200 205 SUM	i					0.1	0.1	L									0.2

#### TABLE XLIV - Continued MINUTES FOR TORQUEL VS RPM BY MISSION SEG ASCENT, BY RATE OF CLIMB -1200, SUM LFSS 10 20 30 40 50 60 70 80 90 100 110 120 SUM LESS 180 185 190 195 200 205 SUM 0.2 0.2 0.2 0.2 MINUTES FOR TORQUEZ VS RPM BY MISSION SEG ASCENT, BY RATE OF CLIMB -1200 . BY DAT SUM 70 110 120 SUM 10 20 30 40 50 60 80 90 100 LESS 180 185 190 195 200 205 SUM 0.2 0.1 0.1 0.2 0.1 0.1 MINUTES FOR TORQUEL VS RPM BY MISSION SEG ASCENT, BY RATE OF CLIMB -900. 84 TAG 50 LESS 10 50 20 70 LESS 180 185 190 195 200 205 SUM 30 40 60 80 90 100 110 120 SUM 0.1 0.1 0.1 MINUTES FOR TORQUEZ VS RPM BY MISSION SEG ASCENT, BY RATE OF CLIMB 50 LESS 10 40 50 60 70 80 110 20 30 90 100 120 SUM LES 180 185 190 195 200 205 SUM 0.1 0.1 0.1 0.1 MINUTES FOR TORQUEL VS RPM BY MISSION SEG ASCENT, BY RATE UF CLIMB -900, BY DAT 60 70 100 110 SUM 10 30 LESS 0.1 0.1 160 185 190 195 200 205 SUM 0.3 0.2 0.5 MINUTES FOR TORQUEZ VS RPM BY MISSION SEG ASCENT, BY RATE OF CLIMB -900 . BY DAT 60 80 100 110 SUM 50 60 LESS 10 20 30 40 0.2 0.1 0.1 160 185 190 195 200 205 SUM 0.1 0.2 0.2 0.1 0.1 MINUTES FOR TORQUEL VS RPM BY MISSION SEG ASCENT, BY RATE OF CLIMB -900. BY CAT 70 70 90 100 110 120 SUM 60 80 LESS 10 20 30 40 50 LESS 0.1 1.2 0.1 0.1 180 185 190 195 200 205 0.7 0.2 0.1 0.1 0.1 1.4 0.1 0.8 0.3 0.1

					T.	ABLE	XL	JV -	Co	onti	nued					
	MINUTES	FOR	TORQUE	2 VS	RPH BY	MISSION	SEG	ASCENT.	84	RATE	OF CLIMB	-900	. 87	DAT	70	
	LESS		10	20	30	40	50	60		70	80	90	100	110	120	SUM
LESS 180 185 190 195 200					0.1	0.1 0.5 0.1	0.6									0.1 1.2 0.1
205 SUM					0.1	0.7	0.6									1.4
	MINUTES	FOR	TORQUE	1 VS	APH BY	MISSION	SEG	SCENT.	84	RATE	OF CLIMB	-900,	84	OAT	80	
LESS	LESS		10	20	30	40	50	60		70	80	90	100	110	120	SUM
180 185 190 195 200 205			٠			0.1		0.2			0.1					0.3
SUM						0.4		0.2			0.1					0.7
	MINUTES	S FOR	TORQUE	2 VS	RPH SY	MISSION	SEG	ASCENT.	BY	RATE	OF CLIMA	-900	. 87	DAT	80	
LES	LES	\$	10	20	30	40	50	60		70	80	90	100	110	120	SUM
16: 18: 19: 20: 20: 50:	0 5 0 5				0.1	0.1	0.1	0.1								0.3
		C EN	TOROUG	: 1 vc							OF CLIM	-900	. 87	OAT	90	
			10				50			70	80					£1186
LES		3	10	20	30	40	50	60		70	80	90	100	110	120	SUM
18 19 19 20 20	5 0 5 0				0.1	0.1 0.1	0.1	l .		0.2	0.2	0.1				0.1 0.7 0.1
SU					0.1	0.2	0.1	l.		0.2	C-2	1.1				0.8
	MINUTES	FOR	TORQUE	2 VS	RPH BY	MISSION	SEG	ASCENT,	BY	RATE	OF CLIMB	-900	. 87	DAT	90	
	LESS	5	10	20	30	40	50	60		70	80	90	100	110	120	SUM
185 185 195 196 206					0.1 0.2 0.1			0.1		0.4						0.1 0.7 0.1
SUP					0.3			0.1		0.4		•				0.8
	MINUTE	S FO	TORQUE	El VS	RPH BY	MISSION	SEG	ASCENT.	BY	RATE	OF CLIME	-900	. 87	DAT	SUM	
	LES		10	20	30	40	50			70	80	90	100	110	120	SUM
LES: 18: 19: 19: 20: 20: SUI	S 0 5 0 5 0 5				0.2	0.1 1.2 0.2	0.3	0.2 0.1		0.2	C.3	0.1				0.7 2.6 0.2
		S FOI	TORQUE	E2 VS							DF CL140		. 81	DAT	SUM	
	LES	S	10	20	30	40	50	60	1	70	80	90	100	110	120	SUM
18 18 19 19 20	0 5 0 5 0				0.2 0.7 0.1	0.2 0.6 0.1	0.1	0.2		0.4				-3.	-34	0.7 2.6 0.2
20' \$U					1.0	0.9	0.8	0.4		0.4						3.5

TABLE XLIV - Continued MINUTES FOR TORQUEL VS RPH BY MISSION SEG ASCENT, BY RATE OF CLIMB DAT -600, BY 50 10 20 70 110 120 SUM LESS 180 185 190 195 200 205 SUM 0.1 0.1 0.2 0.1 0.2 0.3 MINUTES FOR TORQUEZ VS RPM BY MISSION SEG ASCENT, BY RATE OF CLIMB -600 . 87 DAT 50 20 40 80 110 120 SUM 10 30 50 60 70 90 100 LESS 0.1 0.1 180 185 190 195 200 205 SUM 0.3 0.3 MINUTES FOR TORQUE1 VS RPM BY MISSION SEG ASCENT, BY RATE OF CLIMB 60 LESS 10 20 30 40 50 60 70 80 90 100 110 120 SUM LESS 180 185 190 195 200 205 SUM 0.4 0.1 0.8 0.3 3.0 MINUTES FOR TORQUEZ VS RPM BY MISSION SEG ASCENT. BY RATE OF CLIMB -600 . 87 CAT 60 120 70 110 SUM 30 40 50 60 80 90 100 10 20 LESS 1.1 180 185 190 195 200 205 SUM 0.2 3.0 0.9 CAT 70 MINUTES FOR TORQUEL VS RPH BY MISSION SEG ASCENT, BY RATE OF CLIMB -600. BY 70 120 SUM 40 50 60 80 90 100 110 LESS 10 20 30 LESS 180 185 190 195 200 205 SUM 0.1 0.9 0.3 2.0 5.4 0.5 0.9 1.6 0.1 7.6 2.3 0.1 0.1 0.1 0.2 C.1 7.9 RPM BY MISSION SEG ASCENT. BY RATE OF CLIMB DAT 70 MINUTES FOR TORQUEZ VS -600 . BY 50 70 SUM 30 40 LESS 10 20 LESS 180 185 190 195 200 205 SUM 0.8 0.9 2.0 0.2 0-1 1-2 0-2 0.2 0.2 0.1 2.0 5.4 0.5 0.1 0.4 1.5 0.5 7.9 MISSION SEG ASCENT. BY MINUTES FOR TORQUEL VS RATE UF CLIMB -600. CAT 80 50 70 80 100 110 120 LESS 10 20 30 40 60 90 SUM LESS 180 185 190 195 200 205 SUM 0.1 0.4 0.1 0.2 1.5 0.3 0.3 0.1 1.1 6.3 0.8 0.8 0.3 0.6 3.0 0.4 0.5 C.+ 0.1 8.2

					T	ABL	E XL	IV -	Conti	nued					
	MINUTES	FCR	TORQ	UE2 VS	RPM BY	MISSION	SEG A	SCENT,	BY RATE	OF CLIMB	-600	. 87	UAT	80	
LESS	LESS		10	20	30	40	50	60	70	80	90	100	110	120	SUM
180 185 190 195 200 205				0.2	0-1 2-5 0-4	0.1 2.0 0.1	0.1 0.7 0.2	0.2	0.2 0.2 0.1	0-2					1.1 6.3 0.6
SUM				0.4	3.0	2.2	1.0	0.8	0.5	C.3					8.2
	MINUTES	FOR	TORQ	UE1 VS	RPM BY	MISSION	SEG A	SCENT.	BY RATE	OF CLIMB	-600	. 84	OAT	90	
	LESS		10	20	30	40	50	60	70	80	90	100	110	120	SUM
185 185 190 195 200	0.1				0.1	0.1	0.1	0.1	0.1	C-1					0.2
205 SUM					0.1	0.4	0.3	0.1	0.1	0-1					1.2
	MINUTES	FOR	TORQ	UE2 VS	RPM BY	MISSION	SEG AS	CENT.	BY RATE	OF CLIMB	-600	, BY	OAT	90	
	LESS		10	20	30	40	50	60	70	80	90	100	110	120	SUM
LESS 180 185 190 195 200					0.1	0.4	0.2	0.2		0.1					0.2 0.9 0.1
205 SUM					0-1	0.4	0.3	0.2		0.1					1.2
	MINITE	500		ALIE1 V		v M15510	N SEG	ASCENT.	BY RATI	E OF CLIM	B -60	D. BY	OAT	SUM	
			10	20	30	40	50	60		80	90	100	110	120	4U2
LES 18 18 19 19	0 5 0.1 0 5		10	0.4 0.7 0.1	1.4 5.6 0.1	1.0 4.9 0.4	0.4 2.3 0.6	0.3	0.5	C.2 0.3	0.1	0.1			4.4 14.8 1.4
20 Su		l.		1.2	7.0	6.4	3.3	1.0	0.8	C.5	0.1	0.1			20.6
	MINUTES		TORG	UF2 VS	RPH BY	MISSION	SEG A	SCENT.	BY RATE	OF CLIMB	-600	. BY	DAT	SUM	
	LESS		10	20	30	40	50	60	70	80	90	100	110	120	SUM
LESS 180			••	0.2	1.5	1.4	0.4	0.4	0.3	0.2			•••	•••	4.4
185 196 195 206				0.6	9.8 0.4	4.8	2.2	1.0	0.3	0.1					14.8
SUR				0.8	7.7	6.5	3.0	1.5	0.7	C-4					20.6
	MINUTES	FOR	TORG	UE L VS	RPM BY	MISSIDA	SEG A	SCENT,	BY RATE	UF CLIMB	-300	, BY	DAT	40	
LESS 180 185 190 195 205 SUM			10	20	30	40 0.7 0.5	50	60	70	80	90	100	110	120	0.7 0.5
1	MINUTES	FOR	TORQ	UES A2	RPM BY	MISSION	SEG AS	CENT.	BY RATE	OF CLIMB	-300	. 8Y	CAT	40	
LESS 180 185 190 195 200	LESS		10	20	30 0.7 0.5	40	50	60	70	80	90	100	110	120	SUM 0.7 0.5
205 SUM					1.2										

	41 MITE C	500	TORO		88M 8V	#15510H						***				
		FUR		OFT 42	KPR ST	u1221nu	260	ASCENI,	BY KA	ATE	UF CLIMB	-300,	BY	DAT	50	
LESS	LESS		10	20	30	40	50	60	1	70	80	90	100	110	120	SUM
180				0.1	0.7		0.3									1.1
190 195 200 205					4.3	1.2	0.1									5.5
SUM				0.1	5.0	1.2	0.4									6.6
	MINUTE	FOR	TOR	QUE 2 VS	RPM BY	MISSIDN	SEG	ASCENT,	BY R	ATE	OF CLIMB	-300	. 81	DAT	50	
	LES	5	10	20	30	40	50	60		70	80	90	100	110	120	SUM
LESS 180 185 190 195 200 205					0.1 4.5	1.0										1.1
SUM					4.6	2.0										6.6
	MINUTE	S FOR	TOR	QUE1 VS	RPH BY	MISSION	SEG	ASCENT,	BY R	ATE	UF CLIMB	-300	ВУ	DAT	60	
	LES	s	10	20	30	40	50	60	ı [	70	80	90	100	110	120	SUM
180 180 190 190	) 5 1			3.2 2.4	11.0 31.2 0.4	15.5 32.6 1.9	29.0	26.2	3	.7	1.0	0.2				62.7 126.5 3.0
200 209 SUP	3			5.6	42.7	50.0	45.	39.0	7	. 9	1.1	0.5				192.2
	MINUTE	S FOR	TOR	QUE 2 VS	RPM BY	MISSION	SEG	ASCENT.	BY R	ATE	OF CLIMB	-300	. B1	DAT	60	
	LES	s	10	20	30	40	50	60		70	80	90	100	110	120	SUM
LESS 180			0.3	2.7	17.0	20.1	16.1	5.6	. 1	.0						62.7
185 196 195 206				6.4	34.2 1.0	46.9	19.6	18.4		. 9	C.1					126.5
SUM	I		0.3	9.1	52.2	68.4	36.2	24.0	1	. 9	0.1					192.2
	MINUTE	S FOR	TOR	QUEL VS	RPM BY	MISSION	SEG	ASCENT,	BY R	ATE	UF CLIMB	-300,	BY	DAT	70	
LESS	LES:		10	20	30	40	1.5			70	80	90	100	110	120	SUM 2.7
140	0.		0.5	3.6	29.5	34.5	22.4	13.6		.4	1.1	0.5				108.3
185 190 195 200 205				0.4	3.6	134.3 11.4 2.4 0.1	2.9			•1	1.4	0.4				391.9 18.9 2.4 0.1
SUM	0.4	•	0.5	14.5	149.0	182.6	107.7	54.7	11	.5	2.4	0.9				524.3
	MINUTES	FOR	TORG	INES A2	RPM BY	MISSION	SFG	ASCENT,	BY R	ATE	OF CLIMA	-30C	. RY	DAT	70	
	LES		10	20	30	40	50			70	80	90	100	110	120	SUM
LESS			0.0	1.6	26.8	0.4	25.4	4.3	3	. 7	C.c					2.7
185 190 195 200				4.0	1.6	174.6	83.7 4.1 2.4 0.1	32.1	9	. 2	0.5					391.9 18.9 2.4 0.1
205 SUM	0.1		0.8	5.8	116.9	231.3	117.3	37.9	13.	• 2	1					524.3

•	MINUTES	FOR TOR	QUEL VS	RPM BY	MISSIDA	SEG A	SCENT.	BY RATE	OF CLIMB	-300.	BA	DAT	80	
LESS	LESS	10	20	30	40	50 0.3	60	70	80	90	100	110	120	SUM 0.3
180	0.1	0.3	4.1	13.0	20.3	10.6	6.2	4.0	2.0	2.2				62.7
185	0.1	0.9	4.0	49.1		43.1	25.0	8.2	3.0	0.5				199.3
190 195 200				7.1	12.7	6.8	1.1	0.2	C. 3					28.2
205 Sum	0.2	1.2	8.2	69-1	98.3	60.9	32.2	12.4	5.,	2.7				290.5
306	0.2	1.2	0.2	0746	70.3	50.7	,,,,,	26.4	,.,					
	MINUTES	FOR TOR	QUE2 VS	RPH BY	MISSIO	SEG .	ASCENT.	BY RATE	OF CLIMB	-300	. 84	DAT	00	
LESS	LESS	10	20	30 0.3	40	50	60	70	80	90	100	110	120	SUM 0.3
180		0.9	4.3	11.6	23.4	10.7	8.1	1.7	1.3					62.7
185		0.9	4.8	36.6	73.4	51.6	18.4	10.1	1.4	0.1				199.3
190 195 200 205				5.8	14.6	6.5	0.9	0.4						28.2
SUM	0.6	1.8	9.0	56.4	111.3	65.8	27.4	12.2	2.7	0.1				290.5
	MINUTES	FOR YOR	QUEL VS	RPH BY	MISSIN	N SFG	ASCENT.	BY RATE	UF CLIMB	-300	87	OAT	90	
						/							•	
	LESS	10	20	30	40	50	60	70	60	90	100	110	120	SUM
LESS 180		1.0	0.2	1.6	3.5	7.5	1.1	0.5	1.4	1.0				18.0
185		0.2	0.1	11.4	19.2	18.0		6.2	2.3	1.0	0.1			67.2
190 195 200	) 			0.7	1.5	3.1	1.0	0.8	G. 8					7.8
205 \$UM		1.7	0.3	13.6	24.2	28.6	10.7	7.5	4.5	2.0	0.1			93.5
	MINUTES	FOR TOR	QUE2 VS	RPH BY	MISSIO	N SEG	ASCENT.	BY RATE	OF CLIMB	-300	. BY	DAT	90	
										-5				SUM
LESS	LESS	FOR TOR	QUE2 VS	RPM BY	MISSIO 40	N SEG 50 0.6	60		OF CLIMB 80	90	. BY	110	90 120	SUM 0.6
LESS 180	LESS	10	20 1.3	30 4.2	40 7.2	50 0.6 1.7	60 1.7	70 1.1	80 0.1	90				0.6 18.0
LESS 180 185	LESS 0.1	10	20	30 4.2 11.6	40 7.2 18.7	50 0.6 1.7 13.9	60 1.7 15.0	70 1.1	80	90				0.6 18.0 67.2
LESS 180 185 190 195 200	C.1	10	20 1.3	30 4.2	40 7.2	50 0.6 1.7	60 1.7	70 1.1	80 0.1	90				0.6 18.0
LESS 180 185 190 195	0.1 0.6	10	20 1.3	30 4.2 11.6	40 7.2 18.7	50 0.6 1.7 13.9	1.7 15.0 3.1	70 1.1	80 0.1	90				0.6 18.0 67.2
LESS 180 185 190 195 200 205 SUM	0.1 0.6	0.6	20 1.3 3.4	30 4.2 11.6 0.5	40 7.2 18.7 2.6	50 0.6 1.7 13.9 1.0	60 1.7 15.0 3.1	70 1.1 2.7	80 0.1 1	90 0.1 0.3				0.6 18.0 67.2 7.8
LESS 180 185 190 195 200 205 SUM	0.1 0.6 0.7	10 0.6 0.1 0.7	20 1.3 3.4 4.7	30 4.2 11.6 0.5 16.4	40 7.2 18.7 2.6 28.5	50 0.6 1.7 13.9 1.0	60 1.7 15.0 3.1 19.8	70 1.1 2.7 3.9	80 0.1 1 1	90 0.1 0.3 0.4	100	110	120	0.6 18.0 67.2 7.8
LESS 180 185 190 195 200 205 SUM	0.1 0.6	0.6	20 1.3 3.4	30 4.2 11.6 0.5	40 7.2 18.7 2.6	50 0.6 1.7 13.9 1.0	60 1.7 15.0 3.1	70 1.1 2.7	80 0.1 1	90 0.1 0.3	100	110	120	0.6 18.0 67.2 7.8
LESS 180 185 190 200 205 SUM	C.1 O.6 O.7 MINUTES	10 0.6 0.1 0.7 FOR TORG	20 1.3 3.4 4.7	30 4.2 11.6 0.5 16.4 RPM BY	40 7.2 18.7 2.6 28.5	50 0.6 1.7 13.9 1.0	60 1.7 15.0 3.1 19.8	70 1.1 2.7 3.9	80 0.1 1+ 1> OF CLIK8 80 5>	90 0.1 0.3 0.4 -300, 90	100 8Y 100	110	120	0.6 18.0 67.2 7.8 93.5
LESS 180 185 190 195 200 205 SUM	0.1 0.6 0.7 MINUTES LESS 0.1 0.7	10 0.6 0.1 0.7 FOR TOR	20 1.3 3.4 4.7 QUE1 VS 20 11.2	30 4.2 11.6 0.5 16.4 RPM BY 30 1.1 55.8 210.9	40 7.2 18.7 2.6 28.5 MISSION 40 73.7 253.3	50 0.66 1.7 13.9 1.0 17.1 50 50.6 171.2	60 1.7 15.0 3.1 19.8 ASCENT. 60 33.7	70 1.1 2.7 3.9 BY RATE 70 10.1 26.2	80 0.1 1 1 0F CLIK8 80 55 6.8	90 0.1 0.3 0.4	100	110	120	0.6 18.0 67.2 7.8 93.5 SUM 3.6 252.8 791.0
LESS 180 185 190 205 SUM LESS 180 185	0.1 0.6 0.7 MINUTES LESS 0-1 0.7	10 0.6 0.1 0.7 FOR TOR	20 1.3 3.4 4.7 QUE1 VS 20 11.2	30 4.2 11.6 0.5 16.4 RPM BY	40 7.2 18.7 2.6 28.5 MISSION 40 73.7 253.3 28.0	500 0.6 1.7 13.9 1.0 17.1 56.6	60 1.7 15.0 3.1 19.8 ASCENT. 60 33.7 100.2	70 1.1 2.7 3.9 BY RATE 70 10.1	80 0.1 1+ 1> OF CLIK8 80 5>	90 0.1 0.3 0.4 -300, 90	100 8Y 100	110	120	0.6 18.0 67.2 7.8 93.5 SUM 3.6 252.8 791.0
LESS 180 185 190 200 205 SUM LESS 180 185 199	0.1 0.6 0.7 MINUTES LESS 0.1 0.7	10 0.6 0.1 0.7 FOR TOR	20 1.3 3.4 4.7 QUE1 VS 20 11.2	30 4.2 11.6 0.5 16.4 RPM BY 30 1.1 55.8 210.9	40 7.2 18.7 2.6 28.5 MISSION 40 73.7 253.3 28.0 2.4	50 0.66 1.7 13.9 1.0 17.1 50 50.6 171.2	60 1.7 15.0 3.1 19.8 ASCENT. 60 33.7	70 1.1 2.7 3.9 BY RATE 70 10.1 26.2	80 0.1 1 1 0F CLIK8 80 55 6.8	90 0.1 0.3 0.4 -300, 90	100 8Y 100	110	120	0.6 18.0 67.2 7.8 93.5 SUM 3.6 252.8 791.0 58.4 2.4
LESS 180 185 190 205 SUM LESS 180 185	0.1 0.6 0.7 MINUTES LESS 0.1 0.7	10 0.6 0.1 0.7 FOR TOR	20 1.3 3.4 4.7 QUE1 VS 20 11.2	30 4.2 11.6 0.5 16.4 RPM BY 30 1.1 55.8 210.9	40 7.2 18.7 2.6 28.5 MISSION 40 73.7 253.3 28.0	50 0.66 1.7 13.9 1.0 17.1 50 50.6 171.2	60 1.7 15.0 3.1 19.8 ASCENT. 60 33.7	70 1.1 2.7 3.9 BY RATE 70 10.1 26.2	80 0.1 1 1 0F CLIK8 80 55 6.8	90 0.1 0.3 0.4 -300, 90	100 8Y 100	110	120	0.6 18.0 67.2 7.8 93.5 SUM 3.6 252.8 791.0
LESS 180 185 190 195 200 205 SUM LESS 180 185 190	0.1 0.6 0.7 MINUTES LESS 0.1 0.7	10 0.6 0.1 0.7 FOR TOR	20 1.3 3.4 4.7 QUE1 VS 20 11.2 17.0	30 4.2 11.6 0.5 16.4 RPM BY 30 1.1 55.8 210.9	40 7.2 18.7 2.6 28.5 MISSION 40 73.7 253.3 28.0 2.4	50 0.6 1.7 13.9 1.0 17.1 50 1.8 50 1.8 171.2	60 1.7 15.0 3.1 19.8 ASCENT. 60 33.7 100.2 2.8	70 1.1 2.7 3.9 BY RATE 70 10.1 20.2 1.0	80 0.1 1 1 0F CLIK8 80 55 6.8	90 0.1 0.3 0.4 -300, 90	100 8Y 100	110	120 SUM 120	0.6 18.0 67.2 7.8 93.5 SUM 3.6 252.8 791.0 58.4 2.4
LESS 180 185 190 200 205 SUM LESS 180 185 200 205 SUM	0.1 0.6 0.7 MINUTES LESS 0.1 0.7 0.1	10 0.6 0.1 0.7 FOR TOR 10 0.6 1.7 1.1	20 1.3 3.4 4.7 20 11.2 17.0 0.4	30 4.2 11.6 0.5 16.4 RPM BY 30 1.1 55.8 210.9 11.7	40 7.2 18.7 2.6 28.5 MISSION 40 73.7 253.3 28.0 2.4 0.1	50 0.6 1.7 13.9 1.0 17.1 50 1.8 50.6 171.2 13.4	60 1.7 15.0 3.1 19.8 ASCENT. 60 33.7 100.2 2.8	70 1.1 2.7 3.9 BY RATE 70 10.1 20.2 1.0	80 0.1 1 1 OF CLIK8 80 5 6.8 11	90 0.1 0.3 0.4 -300, 90 3.9 2.2	87 100 0.1	0AT 110	120 SUM 120	0.6 18.0 67.2 7.8 93.5 SUM 3.6 252.8 791.0 58.4 2.4 0.1
LESS 180 185 190 200 205 SUM LESS 180 185 200 205 SUM	UESS  O.1  O.7  MINUTES  LESS  O.1  O.7  O.7  O.9	10 0.6 0.1 0.7 FOR TOR	20 1.3 3.4 4.7 QUE1 VS 20 11.2 17.0 0.4 28.7	30 4.2 11.6 0.5 16.4 RPM BY 30 1.1 55.8 210.9 11.7	40 7.2 18.7 2.6 28.5 MISSION 40 73.7 253.3 28.0 2.4 0.1 357.5	500 0.6 1.7 13.9 1.0 17.1 56.6 171.2 13.4	60 1.7 15.0 3.1 19.8 ASCENT. 60 33.7 100.2 2.8	70 1.1 2.7 3.9 BY RATE 70 10.1 20.2 1.0 39.3	80 0.1 1 1 OF CLIK8 80 5 6.8 1.1 13.3	90 0.1 0.3 0.4 -300, 90 3.9 2.2	8Y 100 0.1	OAT 110	120 SUM 120	0.6 18.0 67.2 7.8 93.5 SUM 3.6 252.8 791.0 58.4 0.1
LESS 180 185 190 200 205 SUM LESS 180 185 200 205 SUM	0.1 0.6 0.7 MINUTES LESS 0.1 0.7 0.1	10 0.6 0.1 0.7 FOR TOR 10 0.6 1.7 1.1	20 1.3 3.4 4.7 20 11.2 17.0 0.4	30 4.2 11.6 0.5 16.4 RPM BY 30 1.1 55.8 210.9 11.7	40 7.2 18.7 2.6 28.5 MISSION 40 73.7 253.3 28.0 2.4 0.1	500 0.6 1.7 13.9 1.0 17.1 50 50.6 171.2 13.4 243.0	60 1.7 15.0 3.1 19.8 ASCENT. 60 33.7 100.2 2.8	70 1.1 2.7 3.9 BY RATE 70 10.1 20.2 1.0	80 0.1 1 1 OF CLIK8 80 5 6.8 11	90 0.1 0.3 0.4 -300, 90 3.9 2.2	87 100 0.1	0AT 110	120 SUM 120	0.6 18.0 67.2 7.8 93.5 SUM 3.6 252.8 791.0 58.4 0.1
LESS 180 185 190 200 205 SUM  LESS 180 185 190 205 SUM	UESS O.1 O.7 MINUTES LESS O.1 O.9 MINUTES LESS O.6	10 0.6 0.1 0.7 FOR TORI	20 1.3 3.4 4.7 QUE1 VS 20 11.2 17.0 0.4 28.7 QUE2 VS 20 10.1	30 4.2 11.6 0.5 16.4 RPM BY 30 1.1 55.8 210.9 11.7 279.4	40 7.2 18.7 2.6 28.5 MISSION 40 73.7 253.3 28.0 0.1 357.5 MISSION 40 0.4	500 0.6 1.7 13.9 1.0 17.1 56.6 171.2 13.4	60 1.7 15.0 3.1 19.8 ASCENT. 60 33.7 100.2 2.8	70 1.1 2.7 3.9  BY RATE 70 10.1 20.2 1.0 39.3  BY RATE 70 7.6	80 0.1 1 1 OF CLIK8 80 5 6.8 1.1 13.3	90 0.1 0.3 0.4 -300, 90 3.9 2.2	8Y 100 0.1	OAT 110	120 SUM 120	0.6 18.0 67.2 7.8 93.5 SUM 3.6 252.8 791.0 58.4 2.4 0.1
LESS 180 185 190 205 SUM  LESS 180 195 200 205 SUM  LESS 180 195 200 205 SUM	0.1 0.6 0.7 MINUTES LESS 0.1 0.7 0.7 0.9 MINUTES LESS 0.6	10 0.6 0.1 0.7 FOR TOR: 10 0.6 1.7 1.1	20 1.3 3.4 4.7 QUE1 VS 20 11.2 17.0 0.4 28.7	30 4.2 11.6 0.5 16.4 RPM BY 30 1.1 279.4 RPM BY 30 1.1 60.0 177.2	40 7.2 18.7 2.6 28.5 MISSION 40 73.7 253.3 28.0 2.4 0.1 357.5 MISSION 40 0.4 96.5 314.5	500 0.6 1.7 13.9 1.0 17.1 500 50.6 171.2 13.4 243.0 500 500 2.1 500 2.1 500 2.1	100-2 2-8 136-7	70 1.1 2.7 3.9  BY RATE 70 10.1 20.2 1.0 39.3  BY RATE 70 7.6 22.9	80 0.1 1 1 0F CLIK8 80 55 68 11 133	90 0.1 0.3 0.4 -300, 90 3.9 2.2	8Y 100 0.1	OAT 110	120 SUM 120	0.6 18.0 67.2 7.8 93.5 SUM 3.6 252.8 791.0 58.4 0.1
LESS 180 185 190 200 205 SUM  LESS 180 195 200 205 SUM	UESS O.1 O.7 MINUTES LESS O.1 O.9 MINUTES LESS O.6	10 0.6 0.1 0.7 FOR TORI	20 1.3 3.4 4.7 QUE1 VS 20 11.2 17.0 0.4 28.7 QUE2 VS 20 10.1	30 4.2 11.6 0.5 16.4 RPM BY 30 1.1 55.8 210.9 11.7 279.4	40 7.2 18.7 2.6 28.5 MISSION 40 73.7 253.3 28.0 0.1 357.5 MISSION 40 0.4	500 0.6 1.7 13.9 1.0 17.1 50 1.8 50.6 171.2 13.4 243.0 50 2.1 53.8 168.9 12.1	60 1.7 15.0 3.1 19.8 ASCENT. 60 33.7 100.2 2.8	70 1.1 2.7 3.9  BY RATE 70 10.1 20.2 1.0 39.3  BY RATE 70 7.6	80 0.1 1+ 1> OF CLIK8 80 5> 6.8 1.1 13.3 OF CLIMB 80 2.0	90 0.1 0.3 0.4 -300, 90 2.2 6.1	8Y 100 0.1	OAT 110	120 SUM 120	0.6 18.0 67.2 7.8 93.5 SUM 3.6 252.8 791.0 58.4 0.1 1108.3
LESS 180 185 190 205 SUM  LESS 180 185 190 205 SUM  LESS 180 185 190 205 SUM	0.1 0.6 0.7 MINUTES LESS 0.1 0.7 0.7 0.9 MINUTES LESS 0.6	10 0.6 0.1 0.7 FOR TORI	20 1.3 3.4 4.7 QUE1 VS 20 11.2 17.0 0.4 28.7 QUE2 VS 20 10.1	30 4.2 11.6 0.5 16.4 RPM BY 30 1.1 279.4 RPM BY 30 1.1 60.0 177.2	40 7.2 18.7 2.6 28.5 MISSION 40 73.7 253.3 28.0 2.4 0.1 357.5 MISSION 40 0.4 96.5 314.5	500 0.6 1.7 13.9 1.0 17.1 56.6 171.2 13.4 243.0 4 SEG A 50.2 153.8 168.9 12.1	100-2 2-8 136-7	70 1.1 2.7 3.9  BY RATE 70 10.1 20.2 1.0 39.3  BY RATE 70 7.6 22.9	80 0.1 1+ 1> OF CLIK8 80 5> 6.8 1.1 13.3 OF CLIMB 80 2.0	90 0.1 0.3 0.4 -300, 90 2.2 6.1	8Y 100 0.1	OAT 110	120 SUM 120	0.6 18.0 67.2 7.8 93.5 SUM 3.6 252.8 791.0 3.6 252.8 791.0
LESS 180 185 190 200 205 SUM  LESS 180 195 200 205 SUM	0.1 0.6 0.7 MINUTES LESS 0.1 0.7 0.7 0.9 MINUTES LESS 0.6	10 0.6 0.1 0.7 FOR TORI	20 1.3 3.4 4.7 QUEL VS 20 11.2 17.0 0.4 28.7 QUEZ VS 20 10.1 18.6	30 4.2 11.6 0.5 16.4 RPM 8Y 30 1.1 55.8 210.9 11.7 279.4 RPM 8Y 30 1.1 60.0 177.2 9.4	40 7.2 18.7 2.6 28.5 MISSION 40 73.7 253.3 28.0 2.4 0.1 357.5 MISSION 40 0.4 96.5 314.5 30.0	500 0.6 1.7 13.9 1.0 17.1 55G / 50 1.8 56.6 171.2 13.4 243.0 50 2.1 53.8 168.9 12.1 2.4 0.1	100-2 136-7 19-8 136-7 100-2 2-8 136-7	70 1.1 2.7 3.9  BY RATE 70 10.1 20.2 1.0 39.3  BY RATE 70 7.6 22.9	80 0.1 1 1 0F CLIK8 80 55 68 11 133 OF CLIM8 80 2.0 35	90 0.1 0.3 0.4 -300, 90 2.2 6.1	8Y 100 0.1	OAT 110	120 SUM 120	0.6 18.0 67.2 7.8 93.5 SUM 3.6 252.8 791.0 58.4 0.1 1108.3

#### TABLE XLIV - Continued MINUTES FOR TORQUEL VS RPM BY MISSION SEG ASCENT, BY RATE OF CLIMB 40 LESS 10 20 30 40 60 70 80 90 100 120 SUM LESS 180 185 190 195 200 205 SUM 0.6 0.6 1.0 MINUTES FOR TORQUEZ VS RPM BY MISSION SEG ASCENT, BY RATE OF CLIMB 300 . 84 OAT 40 20 . 30 70 80 100 110 120 SUM LESS 180 185 190 195 200 205 SUM 0.6 0.6 1.0 MINUTES FOR TORQUEL VS RPM BY MISSION SEG ASCENT, BY RATE OF CLIMB BY 50 10 20 30 40 50 100 SUM LESS 180 185 190 195 200 205 SUM 0.5 0.5 5.2 0.1 0.9 3.9 1.0 3.9 0.9 5.8 300 50 50 110 120 SUM 60 70 80 90 100 20 30 40 LESS 140 185 190 195 200 205 SUM 0.5 5.2 0.1 0.5 3.6 1.3 0.1 5.8 1.3 4.3 MINUTES FOR TORQUEL VS RPM BY MISSION SEG ASCENT, BY RATE OF CLIMB 300-DAT 60 50 60 70 20 30 80 90 120 10 100 110 SUM LESS 180 185 190 195 200 205 SUM 4.6 15.4 0.2 2.7 13.1 0.6 12.3 32.4 64.0 1.5 20.2 19.9 27.5 12.3 97.9 16.4 0.1 MINUTES FOR TORQUEZ VS MISSION SEG ASCENT, BY RATE OF CLIMB 300 DAT 60 70 90 40 50 60 80 100 110 SUM LESS 20 30 120 LESS 180 185 190 195 200 205 SUM 3.9 14.6 0.6 7.8 20.8 0.5 11-9 16-6 0-3 7.2 32.4 64.0 1.5 0.3 0.8 0.1 1.4 0.3

1.9

C. 9

97.9

29.1

28.8

1-2

#### TABLE XLIV - Continued MINUTES FOR TORQUEL VS RPM BY MISSION SEG ASCENT, BY RATE OF CLIMP 300, BY 70 40 0.1 19.6 59.9 4.3 0.2 0.2 50 1.0 9.1 44.7 2.6 1.0 0.1 180 185 190 195 200 205 SUM 84-2 41.0 57.4 252.8 45.8 BY OAT MINUTES FOR TORQUEZ VS RPM BY MISSION SEG ASCENT, BY RATE OF CLIMB 300 . 40 0.2 17.6 66.6 3.3 50 1.0 10.3 46.8 3.0 0.2 0.2 SUM 30 60 70 80 90 100 10 1.3 59.3 183.9 7.9 0.2 0.2 0.1 7.2 28.4 0.2 LESS 180 185 190 195 200 205 SUM 3.0 0.6 0.3 252.8 87.7 69.5 41.6 12.4 35.9 MINUTES FOR TORQUEL VS RPM BY MISSION SEG ASCENT, BY RATE UF CLIMB SUM 0.6 44.2 186.7 20 70 80 90 100 110 LESS 10 0.6 10.7 49.8 5.4 LESS 180 185 190 195 200 205 SUM 10.9 50.6 4.9 0.4 1.7 0.5 248.1 MINUTES FOR TORQUEZ VS RPM BY MISSION SEG ASCENT, BY RATE OF CLIMB DAT 300 . 80 50 80 SUM 60 70 90 100 110 LESS 10 20 30 0.6 44.2 188.7 LESS 180 185 190 195 200 205 SUM 45.6 248.1 86.1 MINUTES FOR TORQUEL VS RPM BY MISSION SEG ASCENT, BY RATE OF CLIMB LESS 10 20 30 40 70 80 90 100 SUM LESS 180 185 190 195 200 205 2.7 8.6 0.6 1.5 8.5 0.4 0.8 2.8 0.3 0.2 10.2 48.1 0.3 0.5 11.9 10.7 10.4 MISSION SEG ASCENT, BY RATE OF CLIMB 300 LESS 10 30 40 50 έO 70 80 90 SUM LESS 180 185 190 195 200 205 SUM 1.2 5.7 0.5 1.3 7.8 0.4 1.4 9.7 2.1 3.1 15.0 1.5 1.3 4.8 0.2 10.2 3.1 48.1 2.3 9.6 13.1 19.5 6.3 3.1 0.1

					T	ABLE	XL	IV -	Contir	nued					
	MINUTES	FOR	TORQU	E1 VS	RPM BY	MISSIO	N SEG	ASCENT,	BY RATE	OF CLIMB	300,	BY	DAT	SUM	
LESS	LESS		10	20	30	40	50 1.0		70	80	90	100	110	120	SUM 1.9
180	0.4		0.9	0.8	19.4	37.6	26.7		22.3	4.3	1.0	0.3			146-6
189		(	0.5	4.0	69.5	138.2	118.1		40.4	12.1	2.8	0.7			490.5
190				0.5	3.8	10.8	9.4	3.1	0.9	C . B					29.2
195						0.2									0.2
200						0.2									0.2
205			. 60	21.5	12.						. 12				
SUP	0.9		1.4	5.2	92.9	187.7	155.2	139.9	63.6	17.1	3.9	1.0			668.6
	MINUTES	FOR	TORQU	E2 VS	RPM BY	MISSIO	N SEG	ASCENT,	BY RATE	OF CLIMB	300	. 87	DAT	SUM	
LESS	LESS		10	20	30 0.1	40	50 1.6	60	70	80	90	100	110	120	SUM 1.9
180		,	1.4	5.7	18.8	39.3	45.9	28.1	5.8	1.5					146.6
185			.0	3.1	72.9	146.1	137.8	91.4	27.0	9.7	0.3				490.5
190				0.7	3.3	8.6	11.8	4.2	0.6						29.2
195							0.2								0.2
200							0.2								0.2
205															
SUM	0.6	i	2.4	9.5	95.1	194.2	197.4	123.7	34.2	11.4	0.3				668.6
	MINUTES	FOR	TORQU	El VS	RPM BY	MISSIO	N SEG	ASCENT,	BY RATE	UF CLIMB	60C,	87	OAT	40	
LESS	LESS		10	20	30	40	50	60	70	80	90	100	110	120	SUM
180															
165						0.4									0.4
190	1														
195	i														
200	1														
205															0.4
SUM	1					0.4									U. <del>4</del>
	#14117EE	500	TORONI	: 2 VE		MISSIO	SEC A	SCENT.	RV BATE	OF CLIMB	600	. 87	DAT	40	
		FUR	10	20	30	40	50	60	70	80	90	100	110	120	SUM
LESS	LESS		T.O.	εU	30	70	50	ev.	, ,	-					J
190															
185					0.4										0.4
190															
195															
200															
205															
SUM					0.4										0.4
1	MINUTES	FOR	TORQUE	1 VS	RPM BY	MISSION	SEG 4	SCENT.	BY RATE	OF CLIMA	600,	BY	DAT	50	
	LESS		10	20	30	40	50	50	70	80	40	100	110	120	SUM
LESS															
180															
185					1.4	1.9	2.4								5.7
190															
195															

MINUTES FOR TORQUEZ VS RPM HY MISSION SEG ASCENT, BY RATE OF CLIMB

2.0

2.0

404

30

3.3

3.3

20

0.4

100

5.7

SUM

			•	TABI	LE XI	LIV -	Con	tinue	1					
	MINUTES	FOR TORQ	UE1 VS	RPH BY	MISSION	SEG AS	CENT,	BY RATE	UF CLIM	600	BY	DAT	60	
	LESS	10	20	30	40	50	60	70	80	90	100	140	120	SUM
185 185 190 195 200	) ; ; ;		0.1	1.2 5.4 0.1	3.4 9.1 0.3	3.5 9.0	6.6 5.8	0.5 4.0	0.3	0.2				15.5 35.1 0.4
SUM			0.1	6.6	12.8	12.5	12.4.	4.5	1.9	0.2				51.0
	MINUTES	FOR TORU	UE2 VS	RPM BY	MISSION	SEG AS	CENT.	Y RATE	OF CLIME	600	, BY	DAT	60	
LESS	LESS	10	20	30	40	50	60	70	60	90	100	110	120	SUM
185 185 196 206 206	) 5 5 6		0-1 2-0 0-1	2.4	6.2 10.2 0.3	2.0	4.7 9.1	0.1	0.7					15.5 35.1 0.4
SUM			2.2	8.9	16.7	8.3	13.8	0.4	0.7					51.0
	MINUTES	FOR TORG	UE1 VS	RPM BY	MISSION	SEG AS	CENT, I	BY RATE	OF CLIME	600	ВУ	OAT	70	
LESS 180		10	20	30 0.5 2.8	40 8.5	50 11.2	60 10.2	70 3.8	80 1.0	90 0•2	100	110	120	SUM 0.5 37.7
199	) 5	0.2	1.4	0.6	34.2	0.2	0.3	18.0	4.4	0.3				1.3
200 201 Sur	5	0.2	1.4	15.3	43.3	38.9	32.5	21.8	5.9	0.5				0.4
	MINUTES	FOR TORG	HUEZ VS	RPM BY	MISSID	SEG A	SCENT,	BY RATE	OF CLIM	600	. 8Y	DAT	70	
LES:		10	20	30 0.1 3.1	40 0.4 2.5	50 17.8	6.0	70 0.9	80 C+0	90	100	110	120	SUM 0.5 37.7
18: 19:	<b>5</b>	0.1	0.3	11.7	35.9	26.2	25.2	18.4	2					119.9
200						0.4								0.4
SU		0.1	1.3	15.0	45.2	44.6	31.4	19.4	2.7					159.8
	MINUTES	FOR TOR	QUEL VS	RPH BY	MISSIO	IN SEG A	SCENT.	BY RATE	OF CL19	18 600	, BY	OAT	80	
12.	LESS	10	20	30	40	50	60	76	80	90	100	110	120	SUM
LES 16 18 19 19	0 0.1 15 0.2 10 15		0.1 0.3 1.3	3.6 12.8 0.1	0.4 16.0 31.6 5.6 0.1 0.3	0.5 4.3 31.4 2.3	3.8 33.7 2.0	7.0 17.9 0.1	2.0 4.0	0.1				1.0 37.7 132.9 10.2 0.1 0.7
20 Su		0.5	1.7	16.9	54.0	38.6	39.5	25.0	6.1	0.1				182.6
	MINUTES	FOR TORG	UEZ VS	RPH BY	MISSION	SEG AS	SCENT.	BY RATE	UF CLIM	600	, BY	041	80	
	LESS	10	20	30	40	50	60	70	80	90	100	110	120	SUM
185 185 195 195 206	0.4 3 3	0.6	0.2 1.2 0.4 0.1	3.1 10.1 0.6	0.3 12.5 32.2 4.5 0.1 0.7	0.5 8.5 39.3 2.9	7.5 32.7 1.3	2.2 15.3 0.9	1.7					1.0 37.7 132.9 10.2 0.1 0.7
205		0.6	1.9	13.8	50.2	51.2	41.6	18.4	4.5					182.6

#### TABLE XLIV - Continued MISSION SEG ASCENT. BY RATE OF CLIMB MINUTES FOR TORQUEL VS RPM BY 600. BY SUM 20 10 LESS 180 185 190 195 200 205 SUM 0.2 2.0 0.1 0.5 12.3 0.3 C.; 3.: 0.; 7.0 48.6 5.2 MINUTES FOR TORQUEZ VS RPM BY MISSION SEG ASCENT, BY RATE OF CLIMB 600 . BY DAT 30 60 70 120 SUM 100 LESS 180 185 190 195 200 205 SUM 7.0 48.6 5.2 0.1 0.6 0.1 0.7 2.9 0.3 2.3 5.4 0.5 1-1 16-6 1-2 0.9 5.0 0.1 3.0 0. 0.1 60.8 0.1 0.8 3.9 8.2 19.6 18.8 6-0 MINUTES FOR TORQUEL VS RPM BY MISSION SEG ASCENT, BY RATE OF CLIMB 60C. 40 0.4 29.5 86.2 7.7 0.1 0.7 SUM 1.5 98.0 342.7 17.1 0.1 50 0.5 22.2 78.3 3.3 LESS 10 60 70 80 90 100 110 LESS 180 183 190 195 200 205 SUM 11.8 52.2 0.4 20.8 74.1 4.3 0.4 0.3 42.6 124.5 104.4 460.4 MINUTES FOR TORQUEZ VS RPM BY MISSION SEG ASCENT, BY RATE OF CLIMB 600 . 30 0.1 9.3 35.0 1.0 40 0.7 29.5 85.8 5.6 0.1 0.7 50 0.5 30.0 64.8 6.1 20 0.2 2.2 3.6 0.5 10 60 70 SUM 1.5 98.0 342.7 17.1 80 100 LESS 180 185 190 195 200 205 SUM 0.6 2.3 0.1 0.4 122.3 123.7 105.5 460.4 MINUTES FOR TORQUEL VS RPM BY MISSION SEG ASCENT, BY RATE OF CLIMB 70 120 10 20 30 40 50 60 100 SUM LESS 180 185 190 195 200 205 SUM 0.1 0.1 1.0 0.1 1.5 1.0 0.1 MINUTES FOR TORQUEZ VS RPM BY MISSION SEG ASCENT. BY RATE OF CLIMB 60 110 LESS 10 20 30 40 70 80 90 100 120 SUM LESS 180 185 190 195 200 205 SUM 0.1 0.1 0.2

1.5

0.2

TABLE XLIV - Continued PINUTES FOR TORQUEL VS RPM BY MISSION SEG ASCENT, BY RATE OF CLIMB 900. BY 60 10 20 LESS 180 185 190 195 200 205 SUM C.1 0.5 3.3 6.2 MINUTES FOR TORQUEZ VS RPM BY MISSION SEG ASCENT, BY RATE OF CLIMB 900 . OAT 70 100 110 120 SUM 50 60 80 30 LESS 180 185 190 195 200 205 SUM 8.9 13.8 0.4 1.2 2.0 0.1 4.3 6.9 0.3 1.1 1.0 23.1 3.3 11.5 5.1 1.0 MINUTES FOR TORQUEL VS RPM BY MISSION SEG ASCENT, BY RATE OF CLIMB 40 0.3 4.0 21.8 0.5 30 0.1 2.2 6.8 0.1 SUM 0.4 19.3 70.7 60 70 100 LESS 180 185 190 195 200 205 SUM 6.3 19.4 0.8 2.8 12.5 0.7 0.1 9.2 26.5 MINUTES FOR TORQUEZ VS RPM BY MISSION SEG ASCENT, BY RATE OF CLIMB 900 . 70 SUM 0.4 19.3 70.7 2.2 10 30 40 60 80 LESS 180 185 190 195 200 205 SUM 9.0 22.4 0.6 2.5 8.7 1.0 0.1 33.7 32.1 MINUTES FOR TORQUEL VS RPH BY MISSION SEG ASCENT, BY RATE OF CLIMB 80 LESS 10 20 50 60 70 80 90 185 185 190 195 205 SUM 0.1 0.1 0.1 0.5 6.7 0.2 4.8 30.3 2.0 14.6 86.0 2.7 0.1 0.1 0.1 0.1 0.2 0.1 7.4 0.3 37.1 26.6 12.9 13.9 103.4 MINUTES FOR TORQUEZ VS RATE OF CLIMB 900 . 80 10 20 30 70 80 SUM LESS 180 185 190 195 200 205 SUM 4.3 29.4 1.0 0.1 14.6 86.0 2.7 0.1 0.3 27.1 103.4

				TA	BLE :	XLIV	7 - C	ontinu	ed					
	MINUTES	FOR TOR	QUE1 VS	RPM BY	MISSION	SEG A	SCENT,	RY RATE	UF CLIMB	900	BY	DAT	90	
LESS	LESS 0.1	10	20	30	40	50	60	70	80	90	100	110	120	5UM
180 185 190 195 200	1		0.1 0.1 0.1	1.1	1.6 5.8 0.5	2.3 10.1 0.4	0.1 9.7 0.5	0. ē 5. l	0.5 0.2					5.8 32.1 1.5
205 SUM			0.3	1.6	7.9	12.0	10.3	5.9	C.7					39.5
	MINUTES	FOR TOP	QUE 2 VS	RPM 81	MISSID	N SEG	ASCENT,	BY RATE	OF CL148	900	, B	Y OAT	40	
LES:	LESS	10	20	30	40	50 0.1	60	70	80	90	100	110	120	SUM 0.1
189 199 199 200	0.2	0.4	0.3	0.9 2.8 0.1	2.8 11.5 0.8	0.2 6.4 0.4	1.2 7.3 0.1	0.5 3.2 0.1		0.1				5.8 32.1 1.5
209 SUP		0.4	0.3	3.6	15.1	7.1	9.7	3.8		0.1				39.5
	MINUTES	FOR TOR	QUE1 VS	RPM BY	MISSID	N SEG A	SCENT.	BY RATE	JF CLIME	900	. 87	UAT	SUM	
LESS	LESS 0.1	10	20	30 0.1	40 0.3	50	60	70	80	90	100	110	120	SUM
180 185 190 195 200	0.1 0.1 0.1	0.1	0.8 0.2 0.2	4.3 17.2 0.2	11.7 63.3 3.4	13.5 58.8 1.5	6.0 35.6 1.4	11.5	0.7	0.1				0.5 48.7 204.0 6.7 0.1
205 SUP	3	0.1	1.2	21.8	78.7	73.7	43.0	34.1	7.0	0.1				260.0
	MINUTES	FOR TOR	QUEZ VS	RPH BY	HISSION	SEG A	SCENT,	BY RATE	UF CLIMB	900	, BY	DAT	SUM	
LESS	LESS	10 0.1	20	30 0.3	40	50 0.1	60	70	80	90	100	110	120	SUM 0.5
180 185 190 195 200	0 - 2	0.4	0.2	5.4 16.3 0.4	17.2 76.7 2.4 0.1	12.5 56.3 2.4	10.2 33.7 1.2	3.0 17.0 0.2	3.4	0.1				48.7 204.0 6.7 0.1
205 SUM	0.2	0.5	0.6	22.4	96.4	71.3	45.1	20.1	3.2	0.1				260.0
M	INUTES I	OR TORQ	UE1 VS	RPM BY	MISSION	SEG AS	CENT, R	Y RATE (	F CLIMB	1200.	вч	DAT	60	
	LESS	10	20	30	40	50	60	70	80	90	100	110	120	SUM
ESS 180 185 190 195 200 205				0.2	1.6	0.7 2.3 0.1	1.3							3.5 5.2 0.1
SUM				0.2	3.5	3.1	2.1							8.8
	MINUTES	FOR TOR	QUE2 VS	RPM 87	MISSIM	SEG A	SCENT,	HY RATE	JF CLIMB	1200	, RY	DAT	50	
LESS	LESS	10	20	30	40	50	50	70	90	90	100	110	120	\$U™
180 185 190 195 200				0.6	2.5 3.6 0.1	0.2	0.2							3.5 5.2 0.1
205				0. A	4.2	1.4	0.4							

					2 4 7 1	V dut	T1 A	7 <b>-</b> Co	ontinu	ea					
	MINUTES	FUR	TOPQUE	1 VS	RPH BY	MISSION	SEG	ASCENT.	BY RATE	OF CLIMB	1200	BY	DAT	70	
LESS	LESS		10	20	30	40	50 0.1	60	70	80	90	100	1) 5	120	SUM U.1
180					0.6	5.2 11.6	3.1	2.4 6.3	0.3 2.2	C.1					11.7
190 195 200						0.1	0.4								0.4
205 SUM					3.0	16.9	15.4	8.6	2.5	C-1					46.6
	MINISTES	FOR	TOROU	F2 VS	2PH SY	MOTERIN	SEG	ASCENT.	RV BATE	UF CLIMB	1200	. BY	DAT	70	
	LESS		10	20	30	40	50		70	80	90	100	110	120	SUM
LESS 180			•	0.4	1.5		0.1			Δ.1					0.1
185				U. 4	2.2	3.9 17.5	5.5		1.9	0.1					34.3
190						0-1	0.3								0.4
200	)						0.1								0.1
205 SUM				0.4	3.6	21.5	10.2	6.7	1.9	C-1					46.6
	MINUTES	FOR	TORQUE	1 VS	RPH BY	MISSION	SEG	ASCENT,	BY RATE	UF CLIMB	1200,	84	OAT	80	
	LESS		10	20	30	40	50	60	70	80	90	100	110	120	SUM
180			0.2		0.3	2.2	1.9	0.1	0.4	C.4					5.5
185	3			0.2	2.2	14.5	15.6		2.8	1.3					42.0
190					0.1	1.7	1.4	0.1							
200	)					0.5									0.5
209 5UP			0.2	0.2	2.6	15.9	19.0	5.7	3.1	1.7					51.3
	MINUTES	FOR	TOI QUE	2 VS	RPH BY	MISSION	SEG	ASCENT,	BY RATE	OF CLIMB	1200	, BY	UAT	80	
	LESS		10	20	30	40	50	60	70	80	90	100	110	120	SUM
LESS				0.1	0.3	2.2	2.0	0.6	0.4						5.5
185				0.3	1.0	16.0	15.3	7.9	1.4	0.1					42.0
190									4.7						3 4
177						1.0	2.2	0.2	***						3.4
200						0.5	2.2								0.5
205				0.4		0.5		0.2							0.5
				0.4	1.3		2.2		1.7	<b>c.</b> 1					
205 SUM		FOR				0.5	19.5	8.7	1.7	C.1 OF CLIMB	1200,	BY	OAT	90	0.5
205 SUM	MINUTES LESS	FOR				0.5	19.5	8.7	1.7		1200,	8Y 100	GAT	90 120	0.5
LESS	MINUTES LESS	FOR	TORQUE	1 VS	RPM BY	0.5 19.6 HISSION 40	19.5 SEG / 50 2.5	0.2 8.7 ASCENT, 60 0.8	1.7 BY RATE 70	OF CLIMB					0.5 51.3 SUM 3.3
205 SUM LESS 190 185	MINUTES LESS	FOR	TORQUE	1 VS	30 0.7	0.5 19.6 HISSION 40	19.5 SEG / 50 2.5	0.2 8.7 ASCENT, 60 0.8 3.1	1.7 BY RATE	OF CLIMB					0.5 51.3 SUM 3.3 16.6
LESS	MINUTES LESS	FOR	TORQUE	1 VS	RPM BY	0.5 19.6 HISSION 40	19.5 SEG / 50 2.5	0.2 8.7 ASCENT, 60 0.8	1.7 BY RATE 70	OF CLIMB					0.5 51.3 SUM 3.3
205 SUM LESS 140 185 190 195 200	MINUTES LESS	FOR	TORQUE	1 VS	30 0.7	0.5 19.6 HISSION 40	19.5 SEG / 50 2.5	0.2 8.7 ASCENT, 60 0.8 3.1	1.7 BY RATE 70	OF CLIMB					0.5 51.3 SUM 3.3 16.6
205 SUM LESS 190 185 190 200 205	MINUTES LESS	FOR	TORQUE	1 VS	30 0.7	0.5 19.6 MISSION 40 5.5 0.5	19.5 SEG / 50 2.5 8.9 1.0	0.2 8.7 ASCENT, 60 0.8 3.1 0.1	1.7 BY RATE 70 0.3	OF CLIMB 80 0.1					0.5 51.3 SUM 3.3 16.6 1.7
205 SUM LESS 140 185 190 195 200	MINUTES LESS	FOR	TORQUE	1 VS	30 0.7 0.1	0.5 19.6 MISSION 40 5.5 0.5	19.5 SEG / 50 2.5	0.2 8.7 ASCENT, 60 0.8 3.1	1.7 BY RATE 70	OF CLIMB					0.5 51.3 SUM 3.3 16.6
205 SUM LESS 190 185 190 205 SUM	MINUTES LESS		TORQUE	1 VS 20	30 0.7 0.1	0.5 19.6 MISSION 40 5.5 0.5	19.5 SEG / 50 2.5 8.9 1.0	0.2 8.7 ASCENT, 60 0.8 3.1 0.1	1.7 BY RATE 70 0.3	OF CLIMB 80 0.1 C.i	90	100	110	120	0.5 51.3 SUM 3.3 16.6 1.7
205 SUM LESS 190 185 190 205 SUM	MINUTES LESS MINUTES		TORQUE	1 vs 20	30 0.7 0.1 0.6	0.5 19.6 MISSION 40 5.5 0.5 6.1	19.5 SEG / 50 2.5 8.9 1.0	0.2 8.7 ASCENT, 60 0.8 3.1 0.1	1.7 BY RATE 70 0.3 0.3	OF CLIMB 80 0.1 C.i	90.	100	110 OAT	120	0.5 51.3 SUM 3.3 16.6 1.7
205 SUM LESS 190 195 200 205 SUM	MINUTES LESS MINUTES LESS		TORQUE	1 VS 20	30 0.7 0.1	0.5 19.6 MISSION 40 5.5 0.5 6.1 MISSION 40	19.5 SEG / 50 2.5 8.9 1.0	0.2 8.7 ASCENT, 60 0.8 3.1 0.1	1.7 BY RATE 70 0.3	OF CLIMB 80 0.1 C.i	90	100	110	120	0.5 51.3 SUM 3.3 16.6 1.7
LESS 190 185 190 205 SUM	MINUTES LESS MINUTES LESS		TORQUE	1 vs 20	30 0.7 0.1 0.6 RPM BY	0.5 19.6 HISSION 40 5.5 0.5 6.1 MISSION 40 0.3	19.5 SEG / 50 2.5 8.9 1.0 12.4 SEG / 50	0.2 8.7 ASCENT, 60 0.8 3.1 0.1 3.9 ASCENT,	1.7 BY RATE 70 0.3 0.3 BY RATE 70	OF CLIMB 80 0.1 C.i	90.	100	110 OAT	120	0.5 51.3 SUM 3.3 16.6 1.7
205 SUM LESS 190 195 200 205 SUM LESS 180 185 190	MINUTES LESS MINUTES LESS		TORQUE 10 TORQUE 10	1 vs 20	30 0.7 0.1 0.6	0.5 19.6 MISSION 40 5.5 0.5 6.1 MISSION 40	19.5 SEG / 50 2.5 8.9 1.0	0.2 8.7 ASCENT, 60 0.8 3.1 0.1	1.7 BY RATE 70 0.3 0.3	OF CLIMB 80 0.1 C.i	90.	100	110 OAT	120	0.5 51.3 SUM 3.3 16.6 1.7 23.6
205 SUM LESS 190 195 200 205 SUM LESS 180 185 190	MINUTES LESS MINUTES LESS		TORQUE 10 TORQUE 10	1 vs 20 2 vs 20	30 0.7 0.1 0.6 RPM BY	0.5 19.6 MISSION 40 5.5 0.5 6.1 MISSION 40 0.3 7.1	19.5 50 2.5 8.9 1.0 12.4 50 3.0 7.9	0.2 8.7 ASCENT, 60 0.8 3.1 0.1 3.9 ASCENT,	1.7 BY RATE 70 0.3 0.3 BY RATE 70	OF CLIMB 80 0.1 C.i UF CLIMB 80	90.	100	110 OAT	120	0.5 51.3 SUM 3.3 16.6 1.7
205 SUM LESS 190 195 200 205 SUM LESS 180 185 190	MINUTES LESS MINUTES LESS		TORQUE 10 TORQUE 10	1 vs 20 2 vs 20	30 0.7 0.1 0.6 RPM BY	0.5 19.6 MISSION 40 5.5 0.5 6.1 MISSION 40 0.3 7.1	19.5 50 2.5 8.9 1.0 12.4 50 3.0 7.9	0.2 8.7 ASCENT, 60 0.8 3.1 0.1 3.9 ASCENT,	1.7 BY RATE 70 0.3 0.3 BY RATE 70	OF CLIMB 80 0.1 C.i UF CLIMB 80	90.	100	110 OAT	120	0.5 51.3 SUM 3.3 16.6 1.7 23.6

,	INUTES	FOR	TORQUE	1 VS	RPM 8Y	MISSION	SEG A	ASCENT.	BY RA	TE	UF CLIMB	1200,	BY	JAT	SUM	
LESS	LESS		10	20	30	40	50 0.1	60	7	0	80	90	100	110	120	SUM 0.1
180 185 190 195 200 205		O	.2	0.2	0.9 5.5 0.2	9.0 33.4 2.3 0.1 0.5	8.1 38.8 2.9	4.6 15.6 0.2	0. 5.		1.4					23.9 100.1 5.5 0.1 0.5
SUM		0	• 2	0.2	6.6	45.3	49.8	20.4	5.	9	1.9					130.3
	MINUTES	FOR	TORQU	E2 VS	RPM BY	MISSION	St°G	ASCENT.	BY R	ATE	UF CLIMB	1200	. 61	CAT	SUM	
LESS	LESS		10	20	30	40	50 0.1		•	70	80	90	100	110	120	SUM 0.1
180				0.4	2.5	5.9 44.1	9.4	2.2		. 4	0 • 1 C • 1					23.9
190	_			0.1	,,,	1.6	3.6	0.2			C.					5.5 0.1
200	ı					0.5	0.1									0.5
205 SUM				0.8	7.5	55.1	43.0	19.3	4	. 2	0.5					130.3
	MINUTES	FOR	TORQU	El VS	RPM BY	HISSIDA	SEG	ASCENT,	BY R	ATE	OF CLIMB	1500	, BY	DAT	60	
LESS	LESS		10	20	30	40	50	60		70	80	90	100	110	120	SUM
180 185 190 195 200					0.2	0.7	1.3									1.7
205 SUM					0.2	1.6	1.0	0.6	91			*				4.2
,	HINUTES	FOR	TORQUE	z vs	RPH BY	MISSION	SEG	ASCENT,	BY RA	TE	OF CLIMB	1500	. 87	OAT	60	
	LESS		10	20	30	40	50	60		0	80	90	100	110	120	SUM
LESS 190 185 190					0-1	1.1	0.3	0.1								1.7
195 200 205 SUM					0.5	2.2	1.2	0.4								4.2
30																
1	MINUTES	FOR	TORQUE	1 VS	RPM BY	MESSION	SEG	ASCENT,	BY RA	TE	OF CLIMB	1500,	87	UAT	70	
LESS	LESS		10	20	30	40	50	60	7	0	80	90	100	110	120	SUM
180 185 190 195 200				6.1	0.6	0.8	2.3	1.6	0. U.		0					5.4 15.8
205 SUM				0.1	0.6	5.5	7.2	6.8	0.	7	C• i					21.2
	MINUTES	FOR	TORQUE	s vs	RPM BY	HISSION	SEG	ASCENT,	BY RA	TE	UF CLIMB	1500	. BY	DAT	10	
LESS	LESS		10	20	30	<b>40</b>	50	60	1	0	90	90	100	110	120	SUM
180 185 190 195 200				0.1	0.1	0.7 9.0	3.1 4.0	1.4	0.	ı						5.4 15.8
205 SUM				0.2	0.4	9.7	7.1	3.8	0.	1						2:.2

				TA	BLE	XLI	V - C	ontin	ued					
	INUTES	FOR TO	RQUEL VS	RPM BY	MISSID	SEG .	ASCENT.	BY RATE	UF CLIMB	1500	84	DAT	60	
LESS	LESS	0.0	)	30	40	50	60	70	80	90	100	110	120	SUM 0.5 5.5
180 185 190			0.1	0.0 1.4 0.1	0.6 8.5 0.4	2.8 10.1 0.7	1.6 5.0	0.4	C • 2					25.5
195 200					0.6									0.6
205 SUM		0.0	0.2	1.5	10.6	13.5	6.6	0.7	0.2					33.3
l i	MINUTES	FOR TO	JRQUEZ VS	RPM 81	/ MISSIO	N SEG	ASCENT,	SY RATE	OF CLIMB	1500	. 6	Y OAT	60	
LESS	LESS	10	20	30	40 0.1	50 0.4	60	70	80	90	100	110	120	SUM 0.5
180				0.4	2.5 12.0	1.9	0.8		C-1					5.5 25.5
190				0.1	0.2	0.4	0.4							1.1
195 200 205					0.6									0.6
SUM				1.8	15.4	12.1	4.0		C-1					33.3
н	INUTES	FOR TO	RQUEL VS	RPM BY	MISSION	SEG A	SCENT,	BY RATE	UF CLIMB	150C.	вч	OAT	90	
, i i i i	LESS	10	20	30	40	50	60	70	80	90	100	110	120	SUM
LESS					0.3	0.8	0.4							1.5
185				0.5	4.6	4.5	2.7	0.1						12.4
195					•••	•••	-							
205 Sum				0.5	5.2	6.0	3.3	0.1						15.1
M	INUTES	FOR TO	QUEZ VS	RPH BY	MISSION	SEG A	SCENT.	SY RATE	OF CLIMB	1500	, BY	041	90	
	LESS	10	20	30	40	50	60	70	80	90	100	110	120	SUM
LESS 180					0.2	1.3								1.5
165		0.2		1.3	4.2	4.7	1.9		0.1					12.4
195 200 205					0.1	0.8	0.4							1.3
SUM		0.2		1.3	4.5	6.7	2.3		C-1					15.1
м	INUTES	FOR TO	ROUE1 VS	RPM BY	MISSION	SEG A	SCENT.	RY RATE	UF CLIMB	1500.	BY	OAT	SUM	
	LESS	10		30	40	50	60	70	80	90	100	110	120	SUM
LESS		0.0			0.5				•••	70	100	110	120	0.5
180			0.2	2.6	2.5	20.8	4.0 13.1	0.9 0.6	0.5					14.0
190 195				0.1	0.7	1.4	0.3							2.4
200					0.6									0.6
SUM		0.0	0.3	2.8	22.8	28.6	17.3	1.5	0.5					73.8
	INUTEC	FOR TO	BOILES VC		MICCION	SEC A	Crept 4	9 94T	OF CLIMB	1500				
,										1500			SUM	
LESS	LESS	10	20	30	40 0-1	50 0.4	60	70	80	90	100	110	120	\$UM 0.5
180		0.2	0.1 0.1	3.2	26.2	6.6	2.3 7.3	0.1	C.2					14.0
190			,	0.1	0.3	1.1	0.0	0.1						56.2
200					0.6									0.6
205 SUM		0.2	0.2	3.9	31.7	27.0	10.5	0.1	0.2					
								V . L	V+4					73.8

,	HINUTES	FOR	TORQUET	L VS	RPH BY	MISSION	SEG	ASCENT,	BY	RATE	ÜF	CL IMB	1800.	84	DAT	60	
	LESS		10	20	30	40	50	£0		70		80	90	100	110	120	SUM
LESS 180 185 190 195 200 205						0.3 0.1	0.2										0.8 0.5
SUM						0.4	0.5	0.4									1.3
	MINUTES	FOR	TORQUE	2 VS	RPM BY	MISSION	SEG	ASCENT,	BY	RATE	GF	CLIMH	1800	, BY	DAT	60	
LESS	LESS		10	20	30	40	50	60		70		80	90	100	110	120	SUM
180 185 190 195 200 205						0.4	0.4										0.8
SUM						0.7	0.0	6									1.3
	MINUTES	FOR	TORQUE	1 vs	RPM BY	MISSION	SEG	ASCENT.	87	RATE	OF	CLIMB	1800	вч	DAT	70	
LESS	LESS		10	20	30	40	50	50		70		80	90	100	110	120	SUM
190 185 190 195				0.1	0-1	2.1	1.6 3.2 0.1	1.8		0.4							3.3 7.6 0.1
200						0.1											0.1
SUM		FOR		0.1 ? VS	O.1	2.6	5.2 SEG			O.4	υF	CLIMB	1800	, RY	TAO	70	11.1
LESS	LESS		10	20	30	40	50	60		70		80	90	100	110	120	SUM
180 185 190 195			C	.2	0.2	0.2 3.1	1.6 2.6 0.1	1.5									3.3 7.6 0.1
200							0.1										0.1
SUM			C	. 2	0.2	3.3	4.4	3.0									11.1
	MINUTES	FOR	TORQUE	1 VS	RPM SY	MISSIUN	SEG	ASCENT.	HY	RATE	JF	CLIMB	1800,	BY	DAT	80	
LESS	LESS		10	20	30	40	50	60		70		30	90	100	110	150	SUM
180 185 190 195 200 205					0.2	0.R 4.2	1.0			1.0							3.2 15.0
SUK					0.2	5.0	6.1	5.0		1.8							18.2
	MINUTES	FOR	TORQUE	2 vs	RPM BY	MISSION	SFC	ASCENT,	RY	RATE	GF	CLIMB	1800	. AY	CAT	80	
LESS	LESS		10	20	30	40	50	60		70		80	90	100	110	120	SUM
180 185 190 195 200					0.7	1.0	2.2										3.2 15.0
205 Sum					0.7	0.4	A . Q	2.1									

								~							
	MINUTES 6		FOROUS			LE X				CL OF CLIMB	1900		DAT	90	
											1800				F2.77
LESS 180	LESS		10	20	30	40	50	60	70	80	90	100	110	120	SUM
185 190 195 200					0.1	0.1	0.3	0.6	0.1	C.1					0.9
205 SUM					0-1	1.3	1.4	1.0	0-1	C.i					4.0
M	INUTES FO	OR T	ORQUE 2	vs i	RPH BY	MISSION	SEG AS	CENT. BY	RATE C	OF CLIMB	1800	, BY	DAT	90	
LESS	LESS	1	D .	20	30	40	50	60	70	80	90	100	110	120	SUM
180 185 190 195 200					0.0	0.7 0.5	2.1 0.1	0.3	0.0						3.2 0.9
205 SUM					0.0	1.2	2.2	0.6	0.0						4.0
1	MINUTES I	OR	TORQUE	1 VS	RPM BY	MISSIO	SEG A	SCENT, (	Y RATE	OF CLIMB	1800	. 84	OAT	SUM	
LESS	LESS		10	20	30	40	50	60	70	80	90	100	110	120	SUM
180 185 190				0.1	0-4	1.5 7.6 0.1	2.9 9.8 0.4	1.9 7.1 0.4	1.0	C-1					7.2 26.3 1.0
195 200						0.1									0.1
205 SUM				0-1	0.4	9.3	13.2	9.3	2.3	C-1					34.6
	MINUTES	FOR	TORQUE	2 VS	RPM BY	MISSIO	SEG A	SCENT.	BY RATE	UF CLIMB	1800	. 81	7 04 T	SUM	
LESS			10	20	30	40	50	60	70	80	90	100	110	120	SUM
180 185 190 195				0-2	0.9	1.5 9.5 0.5	4.2 11.5 0.2	1.5	0.0						7.2 26.3 1.0
200 205						7. 0	0.1	LAC.	·						0.1
SUM				0.2	0.9	11.5	16.1	5.9	0.0						34.6
•	INUTÉS F	OR 1	ORQUE	L VS	RPM BY	MISSION	SEG AS	SCENT, B	YRATE	OF CLIMB	2100	, BY	DAT	60	
LFSS	LESS	1	10	20	30	40	50	60	70	60	90	100	110	120	SUM
180 185 190 195 200 205							0.4				·				0.4
SUM							0.4								0.4
м	INUTES F	OR T	OR QUE 2	vs	RPM BY	MISSION	SEG AS	CENT. B	Y RATE	OF CLIMB	2100	, 8Y	TAO	60	
LESS	ress	1	0	20	30	40	50	60	70	80	90	100	110	120	SUM
180 185 190 195 200							0.4								0.4
205 SUM							0.4								0.4
															~ • ~

					Т	ABLE	XL	IV -	Conti	nued					
	MINUTES	FOR	TORQUE	1 VS	RPH BY	MISSION	SEG A	SCENT.	BY RATE	OF CLIMB	2100,	87	DAT	70	
LESS	LESS		10	20	30	40	50	60	70	80	90	100	110	120	SUM
180 185 190 195 200						0.2	0.5	0.5 1.4 0.1	1.0	0.3					1.0 4.2 0.1
205 SUM						0.2	1.8	2.0	1.0	0.3					5.3
	MINUTES	FOR	TORQUE	ez vs	RPM BY	MISSION	SEG	ASCENT.	BY RATE	OF CLIMB	2100	. 84	OAT	70	
LESS	LESS	<b>i</b>	10	20	30	40	50	60	70	80	90	100	110	120	SUM
180 185 190 195 200 205					•	0.9	0.9 1.4 0.1	0.1 0.9	0.1	6.0					1.0
SUM						0.9	2.4	1.0	0.1	0. }					5.3
	MINUTE	S F01	R TORQU	E1 V	RPH BY	Y MISSIO	SEG	ASCENT,	BY RATE	E UF CLIMB	2100	, BY	DAT	80	
LES:	LES	S	10	20	30	40	50	60	70	80	90	100	110	120	SUM
18: 19: 19: 20: 20:	5 5 5 5					0.4	0.2 1.5 0.2	2.2		0.1 1.4					0.6 7.0 0.2
Sur						0.4	1.9	2.4	1.6	1.5					7.9
1	HINUTES	FOR	TORQUE	2 V\$	RPM BY	MISSION	SEG A	SCENT.	BY RATE	OF CLIMB	2100	. 84	OAT	80	
LESS	LESS		10	20	30	40	50	60	70	80	90	100	110	120	SUM
180 185 190 195 200 205					0.1	0.2	0.2	0.2 1.3 0.2	0.1	1.0					0.6 7.0 0.2
SUM					0.1	0.7	4.3	1.7	0.1	1.0					7.9
-	HINUTES	FOR	TORQUE	1 VS	RPH BY	MESSION	SEG A	SCENT.	BY RATE	OF CLIMB	5100.	84	DAT	90	
LESS	LESS		10	20	30	40	50	60	70	80	90	100	110	120	SUM
180 185 190 195 200						0.2	1.2	0.5 0.7 0.3	0.6			٠			0.5 2.7 0.4
205 SUM						0.3	1.2	1.5	0.6						3.6
	MINUTES	FOR	TORQUE	2 <b>V</b> S	RPM BY	MISSION	SEG A	SCENT,	BY RATE	JF CLIMB	2100	, RY	OAT	90	
LESS	LESS		10	20	30	40	50	60	70	80	90	100	110	120	SUM
180						0.5	1.3	0.5		0.9					0.5
190 195 200 205						0.2	0.2			•••					2.7
SUM															

### TABLE XLIV - Continued MINUTES FOR TORQUEL VS RPM BY MISSION SEG ASCENT, BY RATE OF CLIMB 2100. SUM BY CAT 70 80 120 SUM 20 50 60 140 100 LESS 180 185 190 195 200 205 SUM 1.1 4.0 0.2 1.2 0.1 3.1 2.5 13.9 0.7 C.: 17.1 0.9 5.2 5.9 3.2 1.3 MINUTES FOR TORQUEZ VS RPM BY MISSION SEG ASCENT. BY RATE UF CLIMB 2100 . 70 SUM 10 20 30 40 50 60 80 100 LESS 180 185 190 195 200 205 SUM 0.2 2.0 0.2 0.8 2.2 0.2 2.5 13.9 0.7 1.4 6.7 0.3 0.2 0.1 2.7 2.7 17.1 0.1 2.4 8.5 3.2 0.2 MINUTES FOR TORQUEL VS RPM BY MISSION SEG MANUVR, BY RATE OF CLIMB -1900, BY UAT 60 LESS 20 30 40 50 ٤O 70 100 SUM LESS 180 185 190 195 200 205 SUM 0.1 0.1 0.1 0.1 60 MINUTES FOR TORQUEZ VS RPM BY MISSION SEG MANUVR, BY RATE OF CLIMB -1800 . SUM 10 30 LESS 180 185 190 195 200 205 SUM 0.1 0.1 0.1 MINUTES FOR TORQUEL VS RPM BY MISSION SEG MANUVE, BY RATE OF CLIMB -1800, CAT SUM LESS 10 20 30 40 50 60 70 80 90 100 SUM LESS 180 185 190 195 200 205 SUM 0.1 0.1 0.1 MINUTES FOR TORQUEZ VS RPM BY MISSION SEG MANUVR, BY RATE OF CLIMB -1800 . SUM BY OAT 30 SUM 60 70 80 120 90 100 LESS 180 185 190 195 200 205 SUM 0.1 0.1

0.1

### TABLE XLIV - Continued MINUTES FOR TORQUEL VS RPM BY MISSION SEG MANUVR. BY RATE OF CLIMB -1200. BY DAT 60 LESS 10 60 70 80 90 100 120 SUM LESS 180 185 190 195 200 205 SUM 20 50 0.5 0.2 0.1 0.1 0.5 0-2 0.1 0.1 BY OAT MINUTES FOR TORQUEZ VS RPM BY MISSION SEG MANUVA, BY RATE OF CLIMB -1200 . 60 SUM 90 120 60 80 100 10 40 50 70 20 30 ESS 180 185 190 195 200 205 SUM 0.5 0.5 0.5 0.5 MINUTES FOR TORQUEL VS RPM BY MISSION SEC MANUAR, BY RATE OF CLIMB -1200. LESS 10 20 40 50 60 70 80 90 100 SUM LESS 180 185 190 195 200 205 SUM 0.5 0.5 MINUTES FOR TORQUEZ VS RPM BY MISSION SEG MANUVR, BY RATE OF CLIMB -1200 , LESS 10 20 30 50 60 70 80 90 100 SUM LESS 180 185 190 195 200 205 SUM 0.5 0.5 0.5 0.5 MINUTES FOR TORQUEL VS RPM BY MISSION SEG MANUVR, BY RATE OF CLIMB -900. BY DAT 70 100 10 20 30 40 50 60 70 80 110 90 120 SUM LESS 180 185 190 195 200 205 SUM 0.1 0.1 0.1 0.1 MINUTES FOR TORQUEZ VS RPM BY MISSION SEG MANUVR. BY RATE OF CLIMB 70 60 10 20 30 40 50 70 80 90 100 SUM .ESS 180 185 190 195 200 205 SUM 0.1 0.1

0.1

						TABL	E XI	LIV -	Cont	inued					
	MINUTES	FOR	TORQU	El VS						OF CLIMB	-900	BY	OAT	80	
LESS	LESS	:	10	20	30	40	50	60	70	80	90	100	110	120	SUM
180 185 190 195 200 205					0.2										0.2
SUM					0.2										0.2
1						MISSION :					-900		OAT	80	
LESS 180 185	LESS	1		20	30 0.1	40	50	60	70	80	90	100	110	120	SUM 0.2
190 195 200				0.1	<b>0.1</b>										0.2
205 Sum				0.1	0.1										0.2
	MINUTE	s FOR	TORQ	UE1 VS	RPH BY	MISSION	SEG M	ANUVR,	BY RATE	OF CLIMB	-900	, 84	OAT	90	
LES 18		5	10	20	30	40	50	60	70	80	90	100	110	120	SUM
18 19 19 20	5 0 5 0				0.2	. 0.2									0.4
20 SU					0-2	0.2									0.4
	MINUTE	FOR	TORQ	UE2 VS	RPH BY	MISSION	SEG MA	INUVR,	BY RATE	OF CLIMB	-900	, BY	DAT	90	
LES:		5	10	20	30	40	50	60	70	80	90	100	110	120	SUM
18: 19: 19: 20:	0 5 0	C	0.4												0.4
20: SU		o	.4												0.4
	MINUTE	FOR	TORQU	JE1 VS	RPH BY	MISSION	SEG MA	MUVR.	Y RATE	OF CLIMB	-900	. BY	TAO	SUM	
LES	LES:	5	10	20	30	40	50	60	70	80	90'	100	110	120	SUM
180 180 190 190 200	5 0 5				0.4	0.3									0.7
20: \$U					0-4	0.3									0.7
	MINUTES	FOR	TORQU	IE2 VS	RPH BY	MISSION	SEG MA	NUVR, 6	Y RATE	OF CLIMB	-900	, BY	DAT	Sum	
LESS	LESS		10	20	30	40	50	60	70	80	90	100	110	120	SUM
186 189 190	) 5 )	0	.4	0.1	0.1	0.1									0.7
200	) 5	0	-4	0.1	0.1	0-1									2.5

								-			11112.2	1 4 4 4			
H	INUTES	FOR	TORQU	EI AZ	RPH BY	MISSION	SEG MA	NUVR, E	BY RATE	OF CLIMB	-600,	BY	DAT	60	
	LESS		10	20	30	40	50	60	70	80	90	100	110	120	SUM
180 185 190 195 200		C	1	0.1	0.1										0.2
205 SUM		C	0.1	0.1	0.1										0.3
	INUTES	FOR	TORQU	E2 VS	RPM BY	MISSION	SEG MA	NUVR.	BY RATE	OF CLIMB	-600	, BY	DAT	60	
	LESS		10	20	30	40	50	60	70	80	90	100	110	120	SUM
180 185 190 195 200					0.1	0.1									0.2
205 SUM					0.2	0.1									0.3
	MINUTES	FOR	TORQ	UE1 VS	RPH BY	MISSION	SEG M	ANUVR,	BY RATE	OF CLIME	-600	, 87	DAT	70	
LESS	LESS	•	10	20	30	40	50	60	70	80	90	100	110	120	SUM
180 185 190 195 200	) 				0.5										0.5
205 SUM	}				0.5									•	0.5
,	INUTES	FOR	TORQU	E2 VS	RPM BY	MISSION	SEG MA	NUVR, I	BY RATE (	OF CLIMB	-600	, BY	OAT	70	
	INUTES LESS	FOR	TORQU	E2 VS 20	RPM BY 30	MISSION 40	SEG MA	NUVR, E	BY RATE (	OF CLIMB	-600 90	, BY	0AT	70 120	SUM
LESS 180 185 190 195 200		FOR													SUM 0.5
LESS 180 185 190 195		FOR			30										
LESS 180 185 190 195 200 205 SUM	LESS		10	20	30 0.5 0.5	40	50	60	70			100			0.5
LESS 180 185 190 195 200 205 SUM	LESS MINUTES LESS		10	20	30 0.5 0.5	40	50	60	70		90	100	110	120	0.5
LESS 180 190 200 SUM	LESS MINUTES LESS		TORQU	20 E1 VS	30 0.5 0.5 RPM BY	40	50 SEG MA	60	70 BY RATE	BO UF CLIMB	90 -600,	100 BY	DAT	120	0.5
LESS 180 185 190 195 200 205 SUM LESS 180 185 195	LESS MINUTES LESS		TORQU	20 E1 VS	30 0.5 0.5 RPM BY	40 M15510N 40	50 SEG MA	MUVR,	70 BY RATE	BO UF CLIMB	90 -600,	100 BY	DAT	120	0.5 0.5
LESS 189 199 200 203 SUM LESS 180 183 190 205 SUM	LESS MINUTES LESS	FOR	TORQUI	20 E1 VS 20	30 0.5 0.5 RPM 87 30 0.3	40 MISSION 40 0.6	50 SEG M/ 50	60 INUVR, 1	70 BY RATE 70	BO UF CLIMB	90 -600, 90	100 BY 100	0AT 110	120	0.5 0.5 SUM 1.0
LESS 180 185 190 2005 SUM	LESS MENUTES LESS MINUTES LESS	FOR	TORQUI	20 E1 VS 20	30 0.5 0.5 RPM 87 30 0.3	40 MISSION 40 0.6	50 SEG M/ 50	60 INUVR, 1	70 BY RATE 70	UF CLIMB 80	90 -600, 90	100 BY 100	0AT 110	120	0.5 0.5 SUM 1.0
LESS 180 195 200 205 SUM	LESS LESS MINUTES LESS	FOR	TORQUIO	20 JE2 VS	30 0.5 0.5 RPM BY 30 0.3	40 MISSION 40 0.6 MISSION	SEG MA	60 ANUVR,	BY RATE 70	UF CLIMB 80 OF CLIMB	-600 -600	BY 100	DAT 110	80 120	0.5 0.5 SUM 1.0

### TABLE XLIV - Continued MINUTES FOR TORQUEL VS RPM BY MISSION SEG MANUVE, BY RATE OF CLIMB -600. 84 DAT SUM SUM LESS 10 20 30 70 80 90 100 110 120 LESS 180 185 190 195 200 205 SUM 0.2 0.1 0.6 1.0 0.1 0.1 1.0 0.6 MINUTES FOR TORQUEZ VS RPM BY MISSION SEG MANUVE, BY RATE OF CLIMB -600 , 87 DAT SUM SUM 90 100 110 120 30 40 70 80 LESS 10 20 LESS 180 185 190 195 200 205 SUM 0.2 0.1 0.1 0.3 0.2 1.8 0.3 0.2 1.2 0.1 MINUTES FOR TORQUEL VS RPM BY MISSION SEG MANUVR. BY RATE OF CLIMB 60 LESS 10 30 40 100 120 SUM LESS 180 185 190 195 200 205 SUM 0.3 0.4 0.2 0.8 0.2 0.8 MINUTES FOR TORQUEZ VS RPM BY MISSION SEG MANUVA. BY RATE OF CLIMB -300 . 84 UAT 60 30 40 SUM 20 120 LESS 180 185 190 195 200 205 SUM 0.8 0.8 0.8 0.8 MINUTES FOR TORQUEL VS RPM BY MISSION SEG MANUVE, BY RATE OF CLIMB 70 LESS 10 20 30 40 50 60 70 100 120 SUM LESS 180 185 190 195 200 205 SUM 3.9 5.2 1.3 5.2 MINUTES FOR TORQUEZ VS RPM BY MISSION SEG MANUVR. BY RATE OF CLIMB -300 . 70 LESS 10 20 30 40 50 60 70 80 90 100 110 120 SUM LESS 180 185 190 195 200 205 SUM 5.2 5.2 5.2

	MINUTES	FOR TO	ROUEL VS	RPM BY	MISSION	SEG	MANUVR,	BY RAT	E UF	CLIMB	-300	84	DAT	80	
LESS	LESS	10	20	30	40	50	00	70		80	90	100	110	120	SUM
180 189 190 199	) 3 3			7.1	3.4	0.3	0.2								10.9
SU	3			7.1	3.4	0.3	0.2								10.9
	MINUTES	FOR TOP	QUE2 VS	RPM BY	HISSION	SEG	HANUVR,	BY RATE	OF	CLIMB	-300	, BY	DAT	80	
LESS	LESS	10	20	30	40	50	60	70		●0	90	100	110	120	SUM
189 199 195 200		0.1	0.2	●.0	2.5	0.1									10.9
205 SUM		0.1	0.2	8.0	2.5	0.1									10.9
	MINUTES	FOR TO	RQUE1 VS	RPH BY	MISSION	SES	MI NUVR,	BY RATE	E OF	CLIMB	-300,	BY	DAT	90	
	LESS	10	20	30	40	50	60	70		80	90	100	110	120	SUM
186 186 196 196	) 3 3					0.1									0.1
200 201 SUI	3					0.1									0.1
	4 T M 11 T E C	508 TOR	QUE2 VS	ROM RY	MOTESTA	SFG M	AMUVR. I	Y RATE	UF	CLIMB	-300 ,	BY	DAT	90	
	LESS	10	20	30	40	50	60	70	-	80		100	110	120	SUM
LESS 180															0.1
195 195 200		0.1													<b></b>
205 SUM		0.1													0.1
1	<b>PINUTES</b>	FOR TOR	QUE1 VS	RPM BY	MISSION	SEG M	ANUVR,	SY RATE	OF	CLIMB	-300,	9 Y	DAT	SUM	
	LESS	10	50	30	40	50	60	70		80	90	100	110	120	SUM
185 185 190 195 200	C.3	0.4		11.0	0.2 4.7	0.4	0.2								0.8
205 SUM	0.3	0.4		11.0	4.9	0.4	9.2								17.0
M	INUTES	FOR TORG	UES AS	IPM BY M	ISSION S	EG MA							DAT	SUM	
ESS	LESS	10	20	30	40	50	60	70		80	90	100	110	120	SUM
180 185 190 195 200		0.2	0.2	13.2	2.5	0.1									0.8
205															

				•	TABL	E XL	IV - (	Cont	inued						
	MINUTE	S FC	TORQU							OF CLIME	300,	BY	DAT	60	
LESS	LES	S	10	20	30	40	50	60	70	80	90	100	110	120	SUM
180 185 190 195 200			0.1		0.1										0.1 0.1
205 SUM			0.1		0.1										0.2
	MINUTE	S FOI	TORQU	IEZ VS	RPM BY	MISSION	SEG MAR	IUVR, E	Y RATE	OF CLIMB	300	. 84	DAT	60	
LESS	LES	5	10 .	20	30	40	50	60	70	80	90	100	110	120	SUM
180 185 190 195 200 205					0.1	0.1									0.1
SUM					0.1	0.1									0.2
	MINUTE	FOR	TORQU	EL VS	RPH BY	MISSION	SEG MAN	IUVR, E	Y RATE	OF CLIMB	300,	BY	DAT	70	
LESS	LES	•	10	20	30	40	50	60	70	80	90	100	110	120	SUM
180 185 190 195 200 205					0.7										0.7
SUM					0.7										0.7
1						MISSION					300		OAT	70	
LESS 180 185	LESS	•	10	20	30 0.7	40	50	60	70	•0	90	100	110	120	SUM 0.7
190 195 200 205															0.1
SUM					0.7										0.7
	MINUTES	FOR	TORQU	E1 VS	RPM BY	MISSION	SEG MAN	IUVR, 6	Y RATE	OF CLIMB	300,	87	DAT	80	
LESS 180		•	10	20	30	40	50	60	70	80	90	100	110	120	SUM
185 190 195 200 205					0.1	0.2									0.3
SUM					0.1	0.2									0.3
H	INUTES	FOR	TORQUE	2 VS	RPH BY	MISSION	SEG MAML	JVR, 81	RATE C	F CLIMB	300 ,	BY	DAT	80	
LESS 180	LESS		10	50	30	40	50	60	70	80	90	100	110	120	SUM
185 190 195 200					0.2	0.1									0.3
205 SUM					0.2	0-1									0.3

					7	ABL	EXI	LIV -	Con	tinue	ed					
	MINUTES	FOR	TORQUE	1 VS		MISSION						300.	84	OAT	SUM	
	LESS		10	20	30	40	50	60	70		0	90	100	110	120	SUM
185 180 185 190 195 200 205		11.0	0.1		0.9	0.2										0.1
SUM		ı	0.1		0.9	0.2										1.1
	MINUTES	FOR	TORQU	E2 VS	RPH BY	MISSION	SEG	ANUVR,	BY RAT	E OF C	CL IMB	300	. 87	OAT	SUM	
LESS	LESS		10	20	. 30	40	50	60	70		80	90	100	110	120	SUM
189 199 199 200 205					0.1	0.2										0.1
SUM					1.0	0.2										1.1
	MINUTES	FOF	TORQU	El VS	RPM BY	MYSSION	SEG	HANUVR,	BY RAT	TE OF (	CLIMB	600	. 87	CAT	60	
LESS	LESS	3	10	20	30	40	50	60	70	) :	<b>8</b> 0	90	100	110	120	SUM
100 100 190 190 200 200					0.3	0.2										0.5
SUA	K				0.3	0.2										0.5
	MINUTES	FOR	TORQUE	2 VS	RPP BY	HISSION	SIIG M	ANUVR,	BY RATE	E OF C	LIMB	600	. BY	OAT	60	
	LESS		10	20	30	40	50	60	70			90	100	110	120	SUM
LESS 180 185 190 195 200 205						0.1	0.4									0.5
SUM						0.1	0.4									0.5
,	INUTES			1 VS	RPM BY	MISSION	SEG M	ANUVR,	BY RATE	OF C	LIMB	600,	<b>8Y</b> .	DAT	80	
LESS	LESS		10	20	30	40	50	60	70	8	0 (	90	100	110	120	SUM
180 185 190 195 200 205 SUM						0.2	0.2									0.4
3011						V-E	٠٠٤									0.4
	MINUTES	FOR	TORQUE	2 VS	RPH BY	MISSION	SEG P	ANUVR,	BY RAT	E OF C	LIMB	600	. 87	OAT	80	
LESS 100			10	20	30	40	50	60	70	•	30	90	100	110	120	SUP
195 195 200 205					0.1	0.3										0.4
SUM					0.1	0.3										0.4

	MINUTES	FOR	TORQUEL	VS RPK	BY MISSIO	N SEG	HANUVR	87	RATE	OF CLIMB	600,	84	OAT	SUM	
	LESS		10	20 3	10 40	50	60	)	70	●0	90	100	110	120	SUM
LESS 180 189 190 200				0.	0.2	0.2	!								0.5
201 SUR				0.	3 0.4	0.2	<b>!</b>								0.9
	MINUTES	FOR	TORQUEZ	VS RPH	BY MISSION	SEG P	ANUVR,	8Y F	ATE U	F CLIMB	600 .	87	OAT	SUM	
LESS	LESS		10 2	20 30	40	50	60		70	80	90	100	110	120	SUM
180 185 190 195 200 205				0.1	0.1	0.4									0.5
SUM				0.1	0.4	0.4									0.9
	MINUTES	FOR	TORQUEL	VS RPH	AD IZZIM YB	SEG	MANUVR,	87 (	RATE O	F CLIMB	900.	84	DAT	60	
LESS	LESS		10	20 3	0 40	50	60		70	80	90	100	110	120	SUM
180 185 190 195 200			0	-1											0.1
205 SUM			0.	.1											0.1
	MINUTES	FOR	TORQUE2	VS RPH	BY MISSION	SEG	HANUVR,	87 5	ATE O	F CLIMB	900 .	BY	DAT	60	
LESS	LESS		10 2	20 30	0 40	50	60		70	80	90	100	110	120	SUM
180 185 190 195 200					0.1										0.1
20 <b>5</b> SUM					0.1										0.1
	MINUTES	FOR	TORQUE 1	VS RPM (	NOISSIM Y	SEG P	ANUVR.	BY R	ATE O	F CLIMB	900,	BY	DAT	SUM	
	LESS			0 30		50	60		70	80	90	100	110	120	SUM
180 185 190 195			0-	1											0.1
200 205 SUM			0.	1											0.1
,(	MINUTES	FOR	TORQUEZ	VS RPH	NOISSIM YE	SEG /	AMUVR,	BY M	ATE D	F CLIMB	900 ,	87	OAT	SUM	
LESS	LESS		10 Z	0 30	40	50	60		70	80	90	100	110	120	SUM
180 185 190 195 200					0.1										0.1
205 SUM					0.1										0.1

## TABLE XLIV - Continued MINUTES FOR TORQUEL VS RPM BY MISSION SEG DESCRIT, BY RATE OF CLIMB LESS. 40 60 70 80 20 30 50 90 100 120 SUM LESS 180 185 190 195 200 205 SUM 0.2 0.2 0.2 0.2 MINUTES FOR TORQUEZ VS RPM BY MISSION SEG DESCRIT, BY RATE OF CLIMB LESS , BY DAT 100 LESS 10 20 30 50 60 70 90 SUM LESS 180 185 190 195 200 205 SUM 0.2 0.2 0.2 0.2 MINUTES FOR TORQUEL VS RPM BY MISSION SEG DESCRIT, BY RATE OF CLIMB LESS, 10 30 100 SUM LESS LESS 180 185 190 195 200 205 SUM 1.1 MINUTES FOR TORQUEZ VS RPM BY MISSION SEG DESCRIT, BY RATE OF CLIMB LESS . 20 40 50 60 70 100 LESS 10 30 SUM LESS 180 185 190 195 200 205 SUM 0.8 1.0 0.1 0.2 0.8 MINUTES FOR TORQUEL VS RPM BY MISSION SEG DESCRIT, BY RATE OF CLIMB LESS. BY 70 10 60 70 100 SUM LESS 180 185 190 195 200 205 SUM 0.0 0.1 1.4 0.1 0.1 1.7 MINUTES FOR TORQUEZ VS RPM BY MISSION SEG DESCRIT, BY RATE OF CLIMB LESS . BY OAT 70 90 100 110 SUM 50 60 70 80 10 20 30 LESS 180 185 190 195 200 205 SUM 0.1 0.4 0.5 1.7

0.4

## TABLE XLIV - Continued MINUTES FOR TORQUEL VS RPM BY MISSION SEG DESCRIT, BY RATE OF CLIMB LESS, 80 BY CAT SUM 0-1 0-4 0-2 0.1 0.4 70 60 100 120 LESS 180 185 190 195 200 205 SUM 0.7 80 MINUTES FOR TORQUEZ VS RPM BY MISSION SEG DESCRIT, BY RATE OF CLIMB LESS . SUM 0-1 0-4 0-2 0.1 0.2 40 50 10 20 LESS 180 185 190 195 200 205 SUM 0.1 0.1 0.7 0.1 0.1 0.3 0.2 MINUTES FOR TORQUEL VS RPM BY MISSION SEG DESCRIT. BY RATE OF CLIMB 0.1 0.4 2.5 0.1 SUM 0.1 0.5 3.0 0.1 20 70 LESS 180 185 190 195 200 205 SUM 100 110 0.0 0.1 0.2 0.3 3.7 MINUTES FOR TORQUEZ VS RPM BY MISSION SEG DESCRIT. BY RATE OF CLIMB LESS. SUM 0.1 0.5 3.0 0.1 0.1 0.2 0.6 0.1 70 80 100 110 120 40 50 10 20 30 LESS 180 185 190 195 200 205 SUM 0.2 0.5 0.1 0.1 3.7 0.5 0.1 1.0 0.5 0.1 MINUTES FOR TORQUEL VS RPM BY MISSION SEG DESCHT, BY RATE OF CLIMB -2100. 50 30 SUM LESS 180 185 190 195 200 205 SUM 0.1 0.1 0.1 MINUTES FOR TORQUEZ VS RPM BY MISSION SEG DESCRIT, BY RATE OF CLIMB -2100 , 50 40 60 70 80 100 110 LESS 20 30 50 90 120 SUM LESS 180 185 190 195 200 205 SUM 0.1 0.1 0. 3 0.1

				773.4	DIE	3 <i>2</i>	~							
					BLE									
	winnie?	FUR TU	INCET A2	RPH BY	MISSION	SEG DES	CNT, E	Y RATE	OF CL	IMB -2100	, BY	DAT	60	
LESS		10	20	30	40	50	60	70	80	90	100	110	120	SUM
180		1.4	0.4											1.4
190	0.3													2.1
195 200														
205														
SUM	1.5	2.0	0.4											3.8
	MINUTES	FOR TO	QUE2 VS	RPH BY	MISSION	SEG DES	CNT. B	Y RATE	OF CL	IMB -2100	. 81	DAT	60	
LESS	LESS	10	20	30	40	50	60	70	80	90	100	110	120	SUM
180		0.8	0.2											1.4
105		1.4	0.3											2.1
190 195 200		V-3												0.3
205		3.4												12.9
SUM	0.8	2.4	0.5											3.8
	winnie2	FUR TO	AGNET A2	RPH SY	M12210M	SEC DE	SCNT, B	Y RATE	OF CL	IMB -2100	, BY	OAT	70	
LESS	LESS	10	20	30	40	50	63	70	80	90	100	110	120	SUM
180		0.5	0.3	0.2										2.6
185		1.6	1.3	0.3	0.1									9.5
190		0.1												0.1
200														
205 SUM		2.2	1.6	0.5	0.1									12.2
												04.7	70	
1	MINUTES	FOR TOR	IQUES A2	RPH BY	#1221 OM	260 DE2	CHT, U	Y KATE	UP CL	MB -2100				
LESS	LESS	10	50	30	40	50	60	70	80	90	100	110	120	SUM
180		1.1	0.5	0.0	0.2									2.6
185	0.9	3.3	3.4	1.7	0.1									9.5
190	0.1													
200														
205 SUM		4.5	3.9	2.5	0.3				- 2					12.2
	MINUTES	FOR TO	RQUEL VS	RPH BY	MISSION	SEG DES	CNT. B	Y RATE	OF CL	IMB -2100	, BY	CAT	80	
	LESS	10	20	30	40	50	60	70	+ 40	· 90	100	110	120	SUM
LESS		0.1	0.2	0.1										0.1
185	1.7	0.6	0.5	0.3										3.0
190	0.3													0.3
200														
205 SUM		0.9	0.7	0.4										4.5
3UH	6.5	0.7	U4 /	0.4										707
						02010-	17.2						22	
1	MINUTES	FOR TOR	QUE2 VS	RPH BY	MISSION	SEG DES				MB -2100		OAT	80	
1 6 6 7	LESS	10	20	30 0.1	40	50	60	70	80	90	100	110	120	SUM 0.1
LESS 180	0.6	0.2	0.3	0.1										1.2
185	0.7	0.8	1.0	0.3	0.2									3.0
190		0.3												0.3
200														
205		1.2		0.5	0.2									4.5

### TABLE XLIV - Continued MINUTES FOR TORQUE1 VS RPM BY MISSION SEG DESCHT, BY RATE OF CLIMB -2100, BY OAT SUM 0.1 5.3 14.6 0.6 10 120 LESS 20 30 LESS 180 185 190 195 200 205 SUM 0.1 1.4 3.5 0.1 2.7 8.5 0.5 0.1 11.8 2.7 1.0 0.1 MINUTES FOR TORQUEZ VS RPM BY MISSION SEG DESCHT. BY RATE OF CLIMB -2100 . SUM 0.1 5.3 14.6 0.6 100 120 30 40 20 10 0.1 LESS 180 185 190 195 200 205 SUM 2.1 5.5 0.5 1.0 0.2 20.6 0.5 3.2 8.2 5.8 3.0 DAT 60 MINUTES FOR TORQUEL VS RPM BY MISSION SEG DESCRIT, BY RATE OF CLIMB -1800. SUM 120 LESS 10 20 30 40 50 70 100 LESS 180 185 190 195 200 205 SUM 0.9 1.0 0.3 0.4 0.2 8.4 0.2 0.3 MINUTES FOR TORQUEZ VS RPM BY MISSION SEG DESCHT, BY RATE OF CLIMB -1800 , 60 10 20 40 30 100 120 SUM LESS 180 185 190 195 200 205 SUM 0.8 0.1 2.9 8.4 MINUTES FOR TORQUEL VS RPM BY MISSION SEG DESCHT. BY RATE OF CLIMB -180C. 70 LESS 0.1 2.2 10.7 0.2 SUM 0-1 5-4 19-3 0-9 10 20 30 50 120 LESS 180 185 190 195 200 205 SUM 0.3 3.7 0.5 1.2 1.2 0.2 0.2 0.2 0.4 13.4 5.6 26.1 MINUTES FOR TORQUEZ VS RPM BY MISSION SEG DESCRIT, BY RATE OF CLIMB -1800 . 70 LESS 10 20 30 40 SUM 0.1 5.4 19.3 0.9 70 80 LESS 180 185 190 195 200 0.1 1.1 3.0 0.7 1.4 7.3 0.1 0.2 0.2 0.4 2.5 9.0 7.8

26.1

### TABLE XLIV - Continued MINUTES FOR TORQUEL VS RPM BY MISSION SEG DESCRIT, BY RATE OF CLIMB -1800. 80 LESS 0.1 1.0 2.3 0.2 SUM 0.1 1.2 5.4 0.5 10 20 30 40 50 70 80 LESS 180 185 190 195 200 205 SUM 0.2 2.4 0.2 0.6 0.1 3.6 2.8 0.7 0.1 MINUTES FOR TORQUEZ VS RPM BY MISSION SEG DESCRIT, BY RATE OF CLIMB -1800 . 80 SUM 0.1 1.2 5.4 0.5 LESS 10 20 30 40 50 60 70 80 90 100 120 LESS 180 185 190 195 200 205 SUM 0.1 0.2 1.2 0.1 0.5 0.7 0.2 0.3 2.1 0.2 0.1 0.1 7.1 1.5 0.1 MINUTES FOR TORQUEL VS RPM BY MISSION SEG DESCHT, BY RATE OF CLIMB -1800, 90 90 100 SUM 40 50 60 70 80 LESS 10 20 30 LESS 180 185 190 195 200 205 SUM 0.2 0.2 0.2 MINUTES FOR TORQUEZ VS RPM BY MISSION SEG DESCNT, BY RATE OF CLIMB -1800 . 100 120 SUM LESS 180 185 190 195 200 205 SUM 0.2 0.2 MINUTES FOR TORQUEL VS RPH BY LESS 0.1 3.5 14.3 0.4 SUM 0.1 9.5 30.4 1.4 20 30 40 50 60 70 90 100 110 120 LESS 1.2 5.2 0.6 1.2 2.6 9.3 0.3 180 185 190 195 200 205 SUM 0.4 0.4 0.2 0.4 0.2 0.2 41.8 7.0 MINUTES FOR TORQUEZ VS RPM BY MISSION SEG DESCRIT, BY RATE OF CLIMB -1800 . UAT SUM 0.1 1.3 4.2 0.1 10 20 30 40 SUM LESS 180 185 190 195 200 205 SUM 0.1 9.5 30.4 1.4 2.5 5.1 0.9 2.5 12.1 0.3 2.0 7.5 0.1 1.1

0.4

41.8

0.2

15.1

8.5

0.2

				ТΔ	BLE 2	et tv	- Co	ati mu	h d					
	MINUTES	FOR TO	RQUEL VS						OF CLIMB	-1500	. 87	OAT	40	
LESS		10	20	30	40	50	60	70	80	90	100	110	120	SUM
180 185 190 195 200			0.1											0.1
205 SUM			0.1											0.1
(	MINUTES	FOR TOR	QUEZ VS	RPH BY	MISSION	SEG DES	CNT, BY	RATE D	F CLIMB	-1500	. 87	DAT	40	
LESS	LESS	10	20	30	40	50	60	70	80	90	100	110	120	SUM
180 185 190 195 200				0.1										0.1
205 SUM				0.1										0.1
	MINUTES	FOR TOP	QUE1 VS	RPH BY	MISSION	SEG DE	SCNT. BY	RATE (	OF CLIMB	-150C.	. 87	OAT	50	
	LESS	10	20	30	40	50	60	70	80	90	100	110	120	SUM
180 185		0.2	0.2	0.2	0.2		57							0.2
190 195 200 205					•									
SUM		0.2	0.7	0.2	0.2									1.3
	MINUTES	FOR TO	RQUE2 VS	RPH BY	MISSION	SEG DE	SCNT, BY	RATE	OF CLIMB	-1500	. 87	DAT	50	
LESS	LESS	10	20	30	40	50	<b>⊕</b> 0	70	80	90	100	110	120	SUM
180 185 190 195 200			0-2 0-6	0.5										0.2
205 SUM			0.8	0.5										1.3
	MINUTES	FOR TO	RQUE1 VS	RPH SY	HISSION	SEG DE	SCNT, B	RATE	OF CLIMB	-1500	. 87	OAT	60	
.12.2	LESS	10	20	30	40	50	60	70	60	90	100	110	120	SUM
180	0.8	1.2	1.5	0.2	0.3									3.9
185 190 195 200		5.2 0.1	3.7 0.1	2.4	0.1									13.5
205 SUM	3.0	6.5	5.2	2.6	0.4									17.6
	INUTES	FOR TOR	QUE2 VS	RPH BY	MISSION	SEG DES	CNT, BY	RATE D	F CLIMB:	-1500	. BY	OAT	60	
	LESS	10	20	30	40	50	60	70	.0	90	100	110	120	SUM
180 185	0.9	0.5	0.8	1.8	0.3									3.9 13.5
190 195 200 205			0.1	0.1										0.2
SUM	1.7	3.3	7.8	4.5	0.3									17.6

## TABLE XLIV - Continued MINUTES FOR TORQUEL VS RPM BY MISSION SEG DESCRIT, BY RATE OF CLIMB -1500, BY CAT 70 30 120 LESS 70 SUM 10 20 100 110 0.9 3.3 3.3 0.1 0.9 14.6 45.2 0.6 0.6 LESS 180 185 190 195 200 205 SUM 0.8 0.1 0.6 61.8 25.0 13.2 1.3 MINUTES FOR TORQUEZ VS RPM BY MISSION SEG DESCRIT, BY RATE OF CLIMB -1500 . 0.9 2.1 1.9 SUM 0.9 14.6 45.2 0.6 0.6 10 20 30 40 60 70 100 LESS 180 185 190 195 200 205 SUM 3.7 19.5 0.2 0.6 4.1 16.4 0.4 1.0 23.9 20.9 MINUTES FOR TORQUEL VS RPM BY MISSION SEG DESCRIT, BY RATE OF CLIMB -1500. BY OAT 80 20 0.2 0.7 7.3 0.8 SUM 0.2 3.1 20.5 2.3 10 30 40 100 110 120 LESS 180 185 190 195 200 205 SUM 1.3 4.5 0.5 0.7 3.6 0.3 0.3 4.6 0.5 0.1 0.5 0.1 26.0 5.4 MINUTES FOR TORQUEZ VS RPM BY MISSION SEG DESCRIT, BY RATE OF CLIMB -1500 , BY DAT 80 0.2 0.6 7.8 0.1 SUM 0.2 3.1 20.5 2.3 LESS 180 185 190 195 200 205 SUM 0.7 4.2 0.9 0.6 1.2 5.1 0.9 0.4 MINUTES FOR TORQUEL VS RPM BY MISSION SEG DESCHT, BY RATE OF CLIMB -1500, 90 SUM 60 70 80 90 100 120 LESS 180 185 190 195 200 205 SUM 1.1 0.2 1.1 0.2 MINUTES FOR TORQUEZ VS RPM BY MISSION SEG DESCRIT, BY RATE UF CLIMB -1500 , 90 DAT 70 100 110 120 SUM LESS 10 20 30 60 80 90 40 LESS 180 185 190 195 200 205 SUM 0.2 0.0 0.5 1.1 0.4

1.1

0.5

0.4

0.2

				<b>LABI</b>	LE XL	IV -	· Con	ıtiı	nued	l						
	MINUTES	FOR TO	RQUE1 VS	RPM BY	Y MISSIO	N SEG	DESCRT	. 8	YRATE	0	F CLIME	-1:00	. 84	CAT	SUM	
LESS	LES!	10	20 0.2	30 0.9	40	50	6	0	70		60	90	100	110	120	SUM 1-1
190		4.2	6.7	3.8	1.2											21.6
185				10.7	1.3	0.1	Ļ									81.4
190			1.5	0.6	0.1											3.2
195		)														0.6
200 205																
SUM		24.6	30.2	16.0	2.6	0.1										108.0
1	MINUTES	FOR TO	QUE2 VS	RPM BY	MISSION	SEG	DESCHT,	84	RATE	01	FCLIMB	-1500		DAT	SUM	
	LESS	10	20	30	40	50	60	)	70		80	90	100	110	120	SUM
LESS																1.1
180			5.9	6.5	1.0											21.8
185	10.9		32.1	23.0	4.5	0.1										3.2
190	0.1		1.2	1.5	0.4											0.6
195			0.0													
205																
SUM	15.7	14.8	39.8	31.7	5.9	0.1										108-0
	MINUTES	FOR TO	RQUEL VS	RPH BY	MISSIO	N SEG	DESCNT	. 61	RATE	OI	F CLIMB	-1200	. 8Y	DAT	40	
											94			110	120	SUM
LESS	LESS	10	20	30	40	50	60	)	70		80	90	100	110	120	20H
180																
185			0.1													0.1
190																
195																
200																
205																0.1
SUM			0.1													0.1
1	MINUTES	FOR TO	QUE 2 VS	RPH BY	MISSION	SEG	DESCNT.	84	RATE	Uf	CLIMB	-1200	. 87	OAT	40	
	LESS	10	20	30	40	50	60	)	70		80	90	100	110	120	SUM
LESS 180																
185				0.1												
190				V												0.1
195																
200																
205																
SUM				0.1												0.1
M	INUTES	FOR TOR	QUE1 VS	RPH BY	MISSION	SEG D	ESCNT.	BY	RATE	UF	CLIMB	-1200.	87	OAT	50	
	LESS	10	20	30	40	50					80					
LESS		-		,,	40	50	-		10		•0	40	100	110	120	SUM
180		0.7	0.3	0.2												1.2
185	0.1		1.7	0.9	0.2											2.8
190				0.3												0.3
200																
205																
SUM	0.1	0.7	2.0	1.3	0.2											
			_ • •													4.3
	****	EOS TOS	MIES VE		MICCION		EPCHT			05	£1 1 1 1 1	1200				
					MISSION			5 <b>Y</b>		UF				OAT	50	
LESS	LESS	10	20	30	40	50	60		70		80	90	100	110	120	SUM
180		0.5		0.7												1.2
185		0.2	0.6	2.1												2.8
190		_	0.3													0.3
195																
200																
205 SUM		0.6	0.9	2.8												
345		U-0	U = 4	4 - 1												4 2

LESS	INUTES	FOR TOR	QUEL VS	RPH BY	MISSION	SEG D	ESCNT.	BY	RATE	uŧ	CLIMB	-120C,	BY	DAT	60	
LESS	LESS	10	20	30	40	50	60		70		80	90	100	110	120	SUM
180 185 190 195	0.7	3.0 6.0 0.6	6.8 11.2 0.1	2.7	2.1	0.2										15.5 31.9 0.7
200 205 SUM	3.1	9.5	18-1	11.6	3.0	2.8										48.1
															60	
M		FOR TOR						BY 1						OAT		SUM
LESS	LESS	10	20	30	40	50	60		70		80	40	100	110	120	15.5
180 165 190 195 200	0.4	2.2	5.5 13.4 0.7	5.5 10.9	1.9 2.8	2.2										31.9
205 Sum	1.1	4-2	19.5	16.4	4.7	2.2										+8.1
M?	INUTES	FOR TOR	QUE1 VS	RPH BY	MISSION	SEG DE	ESCNT.	87 F	RATE	uf (	LIMB	-1200,	84	OAT	70	
. = = =	LESS	10	20	30	40	50	60		70		80	90	100	110	120	SUM
LESS	5.7	4-1	6.7	8.7	4.9	0.2				_						30.4
185	27.6	0-8	23.3	21.2	2.7	0.6	0.2			C	• 1					95.4 3.0
195 200			0.1	0.2												0.3
205 SUM	33.8	24.5	31.3	31.1	7.7	0.8	0.2			C.	.1					129.4
_																
Ħ.		FOR TOR						BY .						DAT	70	
LESS	LESS	10	20 0.3	30	40	50	60		70		30	90	100	110	120	SUM 0.3
180	3.2	9.1	6.9	12.7	3.7 15.7	0.8	0.1									30.4 95.4
190	0.2	0.3	1.8	0.7	• • • • • • • • • • • • • • • • • • • •	3 4.5										3.0
200			0.1	0.2												0.3
205 SUM	5.7															
		14.2	40.2	49.0	19.4	0.8	0.1									129.4
m	INUTES	14.2 FOR TOR						BY F	RATE	UF (	L IMB	-1200,	BY	OAT	80	129.4
•	INUTES LESS							BY F	RATE 70		CL IMB	-1200,	BY 100			
LESS	LESS	FOR TOR	QUE1 VS	30 0.1	MISSION 40	SEG DI	ESCNT,		70					OAT	80 120	SUM 0-1
LESS 180 185	3.4 13.8	FOR TOR- 30 2-1 9-4	QUE1 VS 20 4.5 14.1	30 0.1 1.2 12.6	MISSION	SEG DI	ESCNT,	c								SUM 0-1 12-4 54-1
LESS 180 185 190 195	LESS 3.4	FOR TOR  40 2-1	QUE1 VS 20 4.5	30 0.1 1.2	MISSION 40 0.7	SEG DI 50 0.3	ESCNT,	c	70 0-1							SUM 0-1 12-4
LESS 180 185 190 195 200 205	3.4 13.8 0.2	FOR TOR NO 2-1 9-4 0-5	QUE1 VS 20 4-5 14-1 0-9	30 0.1 1.2 12.6 0.3	40 0.7 3.5	50 0.3 0.3	60 0.3	Ċ	70 0.1 0.2							SUM 0.1 12.4 54.1
LESS 180 185 190 195 200	3.4 13.8	FOR TOR- 30 2-1 9-4	QUE1 VS 20 4.5 14.1	30 0.1 1.2 12.6	MISSION 40 0.7	SEG DI 50 0.3	ESCNT,	Ċ	70 0-1							SUM 0.1 12.4 54.1
LESS 180 185 190 195 200 205 SUM	13.0 0.2	FOR TOR NO 2-1 9-4 0-5	QUE1 VS 20 4.5 14.1 0.9	30 0.1 1.2 12.6 0.3	MISSION 40 0.7 3.5	50 0.3 0.3	60 0.3 0.3	o o	70	ŧ	30	90	100	110	120	SUM 0-1 12-4 54-1 1-8
LESS 180 185 190 195 200 205 SUM	13.0 0.2	FOR TOR NO 2-1 9-4 0-5	QUE1 VS 20 4.5 14.1 0.9	30 0.1 1.2 12.6 0.3	MISSION 40 0.7 3.5	50 0.3 0.3	60 0.3 0.3	o o	70 0.1 0.2	ŧ	30	90	100	110		SUM 0-1 12-4 54-1 1-8
LESS 180 185 190 195 200 205 SUM	13.0 0.2	FOR TOR NO 2-1 9-4 0-5	QUE1 VS 20 4.5 14.1 0.9	30 0.1 1.2 12.6 0.3	MISSION 40 0.7 3.5	50 0.3 0.3	60 0.3 0.3	o o	70	OF (	30	90	100	110	120	SUM 0.1 12.4 54.1 1.8
LESS 180 185 190 200 205 SUM	13.8 0.2 17.5 INUTES LESS 1.0	FOR TOR 10 2-1 9-4 0-5 12-0 FOR TOR 10 3-1	QUE1 VS 20 4-5 14-1 0-9 14-4 QUE2 VS 20 3-8	30 0.1 1.2 12.6 0.3 14.2 RPM BY	MISSION 40 0.7 3.5 4.2 HISSION 40 0.2	SEG DI 50 0.3 0.3	0.3 0.3 0.3 ESCNT. 60	o o	70 0.1 0.2	OF (	CL IMA	90 -1200	100	110	120	SUM 0-1 12-4 54-1 1-8 68-4
LESS 180 185 195 200 205 SUM LESS 180 185	13.0 0.2 17.5 INUTES	FOR TOR 10 2-1 9-4 0-5 12-0 FOR TOR 10	QUE1 VS 20 4-5 14-1 0-9 19-4	30 0.1 1.2 12.6 0.3 14.2 RPM BY	MISSION 40 0.7 3.5 4.2 HISSION 40	SEG DI 50 0.3 0.3	60 0.3 0.3 ESCNT,	o o	70 0.1 0.2	OF (	CL IMA	90 -1200	100	110	120	SUM 0-1 12-4 54-1 1.8 68-4
LESS 180 185 190 200 205 SUM	13.8 0.2 17.5 INUTES LESS 1.0	FOR TOR  10  2-1 9-4 0-5  12-0  FOR TOR  10 3-1 8-2	QUE1 VS 20 4.5 14.1 0.9 19.4 QUE2 VS 20 3.8 16.3	30 0.1 1.2 12.6 0.3 14.2 RPM BY 30 0.1 4.2 17.3	MISSION 40 0.7 3.5 4.2 MISSION 40 0.2 3.6	SEG DI 50 0.3 0.3	0.3 0.3 0.3 ESCNT. 60	o o	70 0.1 0.2	OF (	CL IMA	90 -1200	100	110	120	SUM 0.1 12.4 54.1 1.8 68.4 SUM 0.1 12.4 54.1

			7	CABL	EXL	IV -	Con	tinued						
	MINUTES	FOR TOP	QUEL VS	RPH BY	MISSION	SEG (	DESCNT.	BY RATE	OF CLIM	-1200	. BY	OAT	90	
LESS	LESS	10	20	30	40	50	60	70	80	90	100	110	120	SUM
180	0.6	1.2	2.1	1.2	0.1		0.2	0.2						5.6
190 195 200 205	0.2	•••	0.1	0.1	•••		•••	•••						0.4
SUM	0.8	1.2	2.2	1.3	0.1		0.2	0.2						6.0
	MINUTES	FOR TOP	QUE2 VS	RPH BY	MISSION	SEG (	DESCRIT,	BY RATE	OF CLIME	-1200	. 67	CAT	90	
LESS 180		10	. 20	30	40	50	60	70	•0	90	100	110	120	SUM
105	0.5		1.0	0.3	2.7	0.5	0.1							5.6
190 195 200 205	0.1	0.1	0.2											0.4
SUM	0.6	0.6	1.2	0.3	2.7	0.5	0.1							6.0
	MINUTES	FOR TOR	QUE1 VS	RPH BY	MISSION	SEG C	ESCNT,	BY RATE	UF CLIMB	-1200.	ВУ	OAT	SUM	
	LESS	10	20	30	40	50	60	70	80	90	100	110	120	SUM
LESS		_	_	0.4			•		•••	70		***	110	0.4
180	9.9	9.9 36.2	10.3 52.4	12.8	7.7 7.5	0.7	0.7	0.1	C-1					59.4
190 195 200	0.8	1.9	2.2				•••	•••	•••					0.3
205					1.71									
SUM	55.2	47.9	73.1	59.4	15.2	4.2	0.7	0.5	0.1					256.3
	MINUTES	FOR TO	QUE2 VS	RPH BY	MISSION	SEG	DESCNT.	BY RATE	OF CLIM	-1200	. 84	DAT	SUM	
	LESS	10	20	30	40	50	60	70		90	100	110	120	SUM
LESS 180		10.6	0.3	0.1 23.1	5.8		0.1							0.4
185			62.3	66.1	24.8	4.6	0.4							59.4 189.9
190		0.4	3.8	1.2	0.2									6.2
195 200			0.1	0.2										0.3
205 SUM		31.0	82.7	90.7	30.8	4.6	0.5							256.3
304		31.0	••••	,,,,,	30.0	7.0	•••							270.3
•									OF CLIME	-900.	BY	OAT	40	
LESS 180	LESS	10	20	30	40	50	60	70	80	90	100	110	120	SUM
165 190 195 200 205			0.3	0.1										0.1
SUM			0.3	0.1										0.4
M	INUTES	FOR TOR	QUE2 VS	RPH SY	MISSION				OF CLIMS	-900		TAD	40	
LESS 180	LESS	10	20	30	40	50	60	70	80	90	100	110	120	SUM
185 190 175				0.1										0.1
200 205 SUM				0.4										0.4

#### TABLE XLIV - Continued APH BY HISSION SEG DESCRIT, BY RATE OF CLIMB 50 LESS 10 20 30 40 50 60 70 80 90 100 110 120 SUM LESS 180 185 190 195 200 205 SUM 0.3 0.6 0.1 0.2 0.5 3.3 5.3 C. 7 0.7 3.7 6.4 0.2 0.9 1.0 MINUTES FOR TORQUEZ VS RPM BY MISSION SEG DESCHT, BY RATE UF CLIMB -900 . BY OAT 50 LESS 10 20 30 60 70 90 80 100 110 120 SUM LESS 180 185 190 195 200 205 SUM . 0.3 3.0 0.3 0.5 5.3 0.7 0.5 0.9 3.5 0.4 0.4 MINUTES FOR TORQUEL VS RPM BY MISSION SEG DESCRIT, BY RATE OF CLIMB -900, BY DAT 60 SUM 0.1 25.6 53.7 2.2 LESS 10 20 50 30 40 60 80 90 100 110 120 LESS 180 185 190 195 200 205 SUM 0.1 4.9 16.1 1.3 9.5 0.2 22.4 28.4 17.4 2.0 0.4 0.1 MINUTES FOR TORQUEZ VS RPM BY MISSION SEG DESCRIT, BY RATE OF CLIMB -900 . DAT BY 60 SUM 0-1 25-6 53-7 2-2 20 0-1 10-0 18-8 1-6 50 60 100 40 LESS 10 30 LESS 180 185 190 195 200 205 SUM 3.4 5.5 0.2 3.7 8.0 24.2 0.2 0.2 0.8 30.0 34.4 9.1 0.2 0.2 81.6 MINUTES FOR TORQUEL VS RPM BY MISSION SEG DESCHT. BY 70 SUM 0.7 74.5 165.6 30 0.6 19.8 68.9 1.7 50 LESS 10 20 40 70 80 90 100 110 120 0.1 2.4 4.1 LESS 180 185 190 195 200 205 SUM 11.4 20.6 2.7 15.9 13.8 18.9 0.8 0.2 C. . 0.1 0.4 1.6 0.7 0.5 0.2 248.3 C. I 0.1 53.0 6.5 0.4 0.4 27.6 91.1 34.7 MINUTES FOR TORQUEZ VS RPM BY MISSION SEG DESCRIT. BY RATE UF CLIMB -900 . 8 7 DAT 70 20 0.0 21.0 39.3 0.7 3.0 3.5 SUM 0.7 74.5 165.6 6.8 10 30 40 50 60 70 80 120 90 100 110 LESS 180 185 190 195 200 205 SUM 5.9 33.2 0.4 0.2 10.8 34.6 0.1 1.4 0.7 0.7

248.3

63.8 112.5

47.4

				T'A:	BLEX	(LI	/ <b>-</b> C	ont	inu	ed					
	HINUTES	FOR TO	ROUE1 VS	RPM BY	MISSION	SEG	DESCNT,	84	RATE	OF CLIME	-900	, BY	DAT	80	
	LESS			30	40	50			70	80	90	100	110	120	SUM
185 185 196 195 206	6.3 5 25.5 0 0.5 5 0.1	10.9	34.6	13.0 37.1 2.5	3.3 14.9 0.7	1.0 2.1 0.1	1.2		0.1	C•5	0.1				36.4 127.2 9.2 0.1 0.5
20: SU	5		46.2	52.8	18.0	3.2	1.3	I	0.8	0.4	0.1				173.5
	MINUTES	FOR TOR	QUE2 VS	RPH BY	MISSION	SEG (	DESCRT.	87	RATE	OF CLIMB	-900	, BY	OAT	80	
	LESS	10	žo	30	40	50	60		70	80	90	100	110	120	SUM
180 185 190 175 200	9.3 0.2	6.1 11.1 0.9	7.3 36.6 3.0	14.9 51.3 4.4 0.5	2.9 16.4 0.7 0.1	0-2	0.3		0.1	0.1					36.4 127.2 9.2 0.1 0.5
205 SUM	14.3	18.0	46.9	71.1	20.1	1.7	1-1	•	0.1	0.1					173.5
	MINUTES	FOR TOP	QUE1 VS	RPM BY	MISSION	SEG	DESCNT,	87	RATE	OF CLIMB	-900	ВУ	OAT	90	
LESS	LESS	10	20 0.1	30	40	50	60		70	80	90	100	110	120	SUM 0-1
180 185 190 195 200 205	0.1	0.3	0.3 2.9 0.8	1.3 4.4 0.4	0.3	0.2	0.1		0-1 0-4 0-2	C-+	0.1				2.8 13.6 1.3
SUM		2.1	4-1	6.0	0.8	0.8	1.0		0.6	C.5	0.2				16.1
	MINUTES	FOR TO	RQUE2 VS	RPM BY	MISSION	SEG	DESCNT,	BY	RATE	OF CLIMB	-900	. 87	OAT	90	
LESS		10	20	30	40	50	60		70	80	90	100	110	120	SUM 0.1
180 185 190 195 200 205	1.5	0.9 3.0 0.3	0.2 2.4 0.4	2.8	2.5	0.3	0.1 0.8 0.2		0.2 0.2						2.8 13.8 1.3
SUM		4.1	2.9	3.3	2.7	1.0	1.2		0.4						18.1
	MINUTES	FOR TOP	QUE1 VS	RPM BY	MISSION	SEG	DESCNT,	84	RATE	OF CLIMB	-900	. 87	OAT	SUM	
LESS	LESS 0.0	10	20	30	40	50 0.1	60		70	80	90	100	110	120	SUM 0.9
180 185 190 195 200	18.7 46.9 0.7 0.1	21.1 37.0 2.1	28.5 90.1 8.2	40.6 134.9 5.9	24.7 44.7 3.3	4.9 7.4 0.1	0.4 2.7		0.4 1.2 0.2	0.6	0.1				139.9 365.7 20.5 0.1
205 SUM		60.1	127.5	102.2	72.7	12.5	3.1		1.0	1.0	0.4				528.3
	MINUTES	FOR TOP	IQUEZ VS	RPM BY	MISSION	SEG	DESCNT.	87	RATE	OF CLIMB	-900	, BY	DAT	SUM	
	LESS	10	20	30	40	50	60		70	80	90	100	110	120	SUM
180 180 195 190	8.5 14.8 0.7	16.5 22.5 1.6	0.1 38.7 98.5 8.6	56.9 160.6 6.6	17.4 59.5 2.9 0.1	0.9	0.8 2.9 0.2		0.2 0.4	C-1					0.9 139.9 365.7 20.5 0.1

	HINUTES	FOR 1	FORQU	E1 VS	RPM BY	MISSION	SEG	DESCHT,	BY RAT	OF CL	IMB -60	0, BY	DAT	40	
LESS	LESS	1	10	20	30	40	50	60	70	80	90	100	110	120	SUM
180 185 190 195 200				1.7	0.6										2.3
205 SUM				1.7	1.0										2.7
	MINUTES	FOR	TORQ	UE2 VS		Y MISSIO	N SEG	DESCNT	, BY RAT	E OF C	LIMB -6	00 .	BY DAT	40	
LESS	LESS		10	20	30	40	50	. 6	0 70		0 90	100	110	129	SUM
186 189 190 199	5 5 5			1.1	1.2										2.3 0.4
209 SUI	5			1.1	1.6										2.7
	PINUTES	FOR	TOROL	JE1 VS	RPH B	Y MISSIO	N SEG	DESCNT	BY RAT	E UF CI	LIMB -60	00, 81	Y DAT	50	
	LESS		jo	20	30	40	50	66	70	•	90	100	110	120	SUM
185 185 190		O	-1	0.7	4.3 0.3	1.0									0.1 6.0 0.3 0.3
195 200 205															0.5
SUM		0	-1	0.7	4.6	1.0									6.7
	IINUTES I	FOR T	OROUE	:2 VS	RPH BY	MISSION	SEG D	ESCNT.	BY BATE	OF CL	[MB -600	) . B1	Y DAT	50	
	LESS		.0	20	30	40	50	60	70	80	90	100	110	120	SUM
185 180 185 190 195		0.	1	1.5	0.1 4.1 0.3	0.3									0.1 6.0 0.3 0.3
200 205 SUM		0.	ı	1.5	4.5	0.6									6.7
H	INUTES F	OR T	DRQUE	1 VS 1	RPM BY	MESSION	SEG DI	ESCNT.	BY RATE	UF CLI	M8 -600	, 87	DAT	60	
	LESS	1	0	20	30	40	50	60	70	80	90	100	110	120	SUM
180 185 190 195	0.2	1.	5 1	8.7 3.3 0.6	16.7 37.3 0.3	15.0 26.9 1.5	3.2	0.9	0.3						49.0 84.6 2.4
200					0-4										0.4
SUM	1.0	2.	7 2.	2.6	54.7	43.4	9.2	2.3	0.5						136.4
	INUTES (	FOR T	ORQUE	2 VS	RPM BY	MISSION	SFG D	ESCNT,	BY RATE	UF CL	IMB -600	D , B	Y CAT	60	
	LESS	1	0	20	30	40	50	60	70	80	90	100	110	120	SUM
180 185 190	0.2	3. 1.	2 1	2-4 7-2 0-1	21.3 38.0 1.8	8.8 24.6 0.5	3.3	0.6							49.0 84.6 2.4
200						0.4									0.4
205 SUM	0.4	5.	0 2	9.7	61.0	34.3	5.2	0.8							136.4

### TABLE XLIV - Continued MINUTES FOR TORQUEL VS RPM BY MISSION SEG DESCRIT, BY RATE OF CLIMB 70 20 0.2 15.2 44.0 0.7 30 1.0 32.9 99.6 4.0 0.4 LESS SUM 1.2 40.3 60 70 80 90 100 120 10.0 14.1 1.1 16.7 94.7 3.8 0.3 6.3 C.3 0.5 180 185 190 195 200 205 SUM 60-0 137-9 115-2 23.9 391.7 25.3 25.1 MINUTES FOR TORQUEZ VS RPM BY MISSION SEG DESCRIT, BY RATE OF CLIMB 70 30 0.2 41.0 137.1 3.1 0.4 20 1.0 16.9 41.4 1.4 SUM 50 60 70 100 1.2 90.3 269.3 10.5 5.3 3.0 0.1 180 185 190 195 200 205 23.6 64.2 5.9 2.0 17.4 0.2 0.1 0.2 391.7 60.7 181.9 113.7 19.4 0.3 MINUTES FOR TORQUEL VS RPM BY MISSION SEG DESCHT, BY RATE OF CLIMB 30 0.2 17.3 94.2 LESS 70 10 50 60 100 SUM 0.4 11.2 42.6 0.1 1.4 9.6 1.0 3.6 0.2 180 185 190 195 200 205 SUM 0.1 0.4 30.2 68.5 118.8 58.8 324.6 0.1 20 0.4 15.6 49.2 2.3 10 0.6 7.8 13.4 50 60 70 80 90 100 SUM 0.1 1.0 2.9 0.1 1.4 61.2 246.0 14.7 0.3 0.8 0.2 3.5 9.4 0.1 22.3 116.4 9.9 0.1 0.8 0.7 7.7 0.2 10.3 45.2 2.1 0.1 180 185 190 195 200 205 SUM 67.7 149.5 57.6 324.6 MINUTES FOR TORQUEL VS RPM BY MISSION SEG DESCRIT. BY RATE OF CLIMB -600. 90 60 70 120 10 20 80 SUM LESS 180 185 190 195 200 205 0.3 9.6 1.0 0.5 2.7 0.2 1.6 7.5 0.4 10.9 14.8 0.5 0.1 51.4 MINUTES FOR TORQUEZ VS RPM BY MISSION SEG DESCHI, BY RATE OF CLIMB -600 . 90 50 60 SUM 1.5 4.3 0.2 1.0 8.7 0.6 1-7 14-4 0-7 7.8 41.1 2.5 0.3 180 185 190 195 200 205 SUM C.0

51.4

6.0

## TABLE XLIV - Continued MINUTES FOR TORQUEL VS RPM BY HISSION SEG DESCHT, BY RATE OF CLIMB -600, BY OAT 20 0.7 37.9 121.0 4.6 30 1.2 69.7 247.1 12.6 0.4 0.8 40 0.4 44.5 172.7 10.3 10 80 90 100 LESS 180 185 190 195 200 205 SUM 3.2 7.7 0.2 0.1 0.1 0.4 0.1 913.5 63.7 164.5 331.8 228.0 45.3 11-1 5.0 BY GAT MINUTES FOR TORQUEZ VS RPM BY MISSION SEG DESCHT, BY RATE OF CLIMB -600 . 20 1.4 45.8 119.1 4.5 0.2 15-1 1.0 10 0.6 18.4 21.9 0.3 SUM 30 50 60 70 80 100 40 30 0.2 .86.4 311.1 16.2 0.5 0.8 2.6 208.5 669.2 30.9 0.1 2.1 7.7 0.1 LESS 180 183 190 195 200 205 SUM 44.0 160.6 8.5 0.3 0.4 6.3 31.4 0.2 0.2 C.0 1.0 913.5 MINUTES FOR TORQUEL VS RPM BY MISSION SEG DESCRIT. BY RATE OF CLIMB -300. BY OAT LESS 60 70 100 110 120 SUM LESS 180 0.5 0.4 190 195 200 0.6 MINUTES FOR TORQUEZ VS RPM BY MISSION SEG DESCHT, BY RATE UF CLIMB -300 . SUM LESS 180 185 190 195 200 205 SUM 0.5 0.6 0.4 MINUTES FOR TORQUEL VS RPM BY MISSION SEG DESCRIT, BY RATE OF CLIMB -300. 20 30 100 110 120 SUM LESS 180 185 190 195 200 205 SUM 5.7 8.8 0.3 0.1 0.1 2.5 0.1 6.0 2.5 9.3 MINUTES FOR TORQUEZ VS RPM BY MISSION SEG DESCRIT, BY RATE OF CLIMB -300 . 50 LESS 10 20 30 50 70 SUM LESS 180 185 190 195 200 205 SUM 7.5 0.2 0.1 0.3

0.2

1.2

## TABLE XLIV - Continued MINUTES FOR TORQUEL VS RPM BY MISSION SEG DESCRIT, BY RATE OF CLIMB -300, BY OAT 120 SUM 10 30 26.1 40.0 0.3 180 185 190 195 200 205 SUM 0.1 205.3 5.9 63.0 66.4 34.6 MINUTES FOR TORQUEZ VS RPM BY MISSION SEG DESCHT, BY RATE OF CLIMB -300 . SUM LESS 180 185 190 195 200 205 SUM 65.0 138.8 1.4 0.1 2.3 14.3 0.2 205.3 90.0 61.3 16.8 0.1 MINUTES FOR TORQUEL VS RPM BY MISSION SEG DESCRIT, BY RATE UF CLIMB 70 -300, 20 0.1 12.4 51.3 0.6 30 0.6 47.8 193.4 3.4 37.4 164.6 10.8 0.9 144.9 500.7 LESS 180 185 190 195 200 205 SUM 64.4 245.1 212.8 82.9 20.5 662.7 MINUTES FOR TORQUEZ VS RPM BY MISSION SEG DESCRIT, BY RATE OF CLIMB 10 0.1 5.0 3.0 20 30 0.5 15.9 47.6 34.0 198.7 0.7 2.8 SUM 0.9 144.9 500.7 70 80 100 LESS 180 185 190 195 200 205 SUM 1.0 8.1 50.5 249.7 274.3 62.1 14.5 MINUTES FOR TORQUEL VS RPM BY MISSION SEG DESCRIT, BY RATE OF CLIMB -300. 30 1.5 19.4 126.9 20.2 40 1.3 14.5 97.5 SUM 2.9 82.1 364.6 38.6 50 70 60 10 180 185 190 195 200 0.1 1.6 3.1 17.4 50.5 2.8 0.3 7.5 17.1 0.6 0.2 6.5 16.4 0.3 0.5 71.0 168.1 125.0 25.4 51.9 16.2 489.4 MINUTES FOR TORQUEZ VS RPM BY MISSION SEG DESCRIT, BY RATE OF CLIMB -300 . 80 40 0.1 2.4 12.9 SUM 2.9 62.1 364.6 38.8 1.0 0.1 70 80 90 100 120 110 LESS 180 185 190 195 200 205 17.0 119.1 15.2 0.3 5.6 31.3 1.0 0.9

489.4

73.0 182.3 151.7

### TABLE XLIV - Continued MINUTES FOR TORQUEL VS RPM BY MISSION SEG DESCRIT, BY RATE OF CLIMB -300. BY CAT 90 LESS LESS 180 185 190 195 200 205 SUM 10 20 30 100 120 SUM 19.7 81.8 4.5 13.5 27.9 28.2 106.0 MINUTES FOR TORQUEZ VS RPM BY MISSION SEG DESCRIT, BY RATE OF CLIMB -300 , AY OAT 50 60 70 80 100 SUM LESS 180 185 190 195 200 205 SUM 120 3.8 4.0 0.7 3.5 8.7 0.3 3.2 0.9 9.5 0.4 1.0 4.5 12.5 34.5 23.7 10.8 8.6 2.9 106.0 MINUTES FOR TORQUEL VS RPM BY MISSION SEG DESCRIT, BY RATE OF CLIMB 20 0.1 36.7 134.6 4.5 0.3 70 0.1 4.0 9.5 90 100 SUM 3.8 15.4 36.0 1.1 0.2 0.7 0.9 0.1 17.2 180 185 190 195 200 205 SUM 0.1 1095.3 61.4 1.2 1473.3 45.0 52.7 176.3 510.4 434.9 183.9 50.5 MINUTES FOR TORQUEZ VS RPM BY MISSION SEG DESCRIT. BY RATE OF CLIMB -300 , BY SUM 30 1.1 111.5 426.0 25.2 0.8 0.1 20 0.7 51.3 110.0 10 1.0 20.2 17.8 0.7 60 0.1 9.4 30.3 70 80 100 120 SUM 3.8 311.6 1095.3 61.4 96.3 390.0 24.2 0.4 16.0 106.2 5.3 2.0 0.3 180 185 190 195 200 205 SUM 0.1 1473.3 39.6 166.1 564.7 510.9 127.5 40.9 0.7 MINUTES FOR TORQUEL VS RPM BY MISSION SEG DESCRIT. BY RATE OF CLIMB 50 300. SUM LESS 10 20 30 LESS 180 185 190 195 200 205 SUM 0.4 0.4 0.4 MINUTES FOR TORQUEZ VS RPM BY MISSION SEG DESCRIT, BY RATE OF CLIMB 50 SUM 20 LESS 10 LESS 180 185 190 195 200 205 0.4 0.2 0.2

0.2

0.2

M	NUTES F	OR TORG	QUE1 VS				- Co		OF CLIMB	300	, BY	DAT	60	
	LESS	10	20	30	40	50	60	70	80	90	100	110	120	SUM
LESS 180 185 190 195 200			1.2	0.4 1.5 0.1	0.6	0.1	0.1							1.1 4.0 0.1
205 SUM			1.2	2.0	1.1	0.6	0.1							5.1
MI	NUTES FO	R TORQ	UEZ VS	RPH BY	MISSION	SEG DES	CMT, BY	RATE O	F CLIMB	300	. 87	DAT	60	
ESS	LESS	10	. 20	30	40	50	60	70	80	90	100	110	120	SUM
180 185 190 195 200 205			0.7	0.4 1.5 0.1	0.7	0.6								1.1 4.0 0.1
SUM			0.7	2.0	1.9	0.6								5.1
MI	NUTES F	OR TORG	DUEL VS	RPM BY	MISSION	SEG DE	SCNT, B	Y RATE (	DF CLIMB	300,	84	OAT	70	
LESS	LESS	10	20	30	40	50	60	70	80	90	100	110	120	SUM
100 105 190 195 200	0.2	0.1	0.1	0.3	0.5 2.9 0.3	0.5 1.0 0.1	0.6	0.1	C+1					2.1 9.8 0.4
205 SUM	0.2	0.1	0-6	4.6	3.7	1.6	1.3	0.1	C-1					12.3
				02h										
•	INUTES F						ESCNT, E		OF CLIMB	300			70	
LESS	LESS	10	20	30	40	50	60	70	80	90	100	110	120	SUM
180 185 190 195 200 205		0.1	0.1	3.4	1.4 4.3 0.4	1.0	0.1							2.1 9.8 0.4
SUM		0.1	0.9	3.5	6.1	1-4	0.3							12.3
	INUTES	FOR TOR	QUE1 VS	RPH BY	/ MISSIO	N SEG D	ESCNT,	BY RATE	OF CLIM	300	), BY	DAT	80	
	LESS	10	20	30	40	50	60	70	80	90	100	110	120	SUM
180 185 190 195 200	0.1	0.1	0.7	0.2 3.1 0.7	0.2 3.4	0.9	0.1	0.3						1.3 10.3 0.9
205 SUM	0.3	0.5	2.1	4.0	3.6	1.1	0.7	0.3						12.5
H)									OF CLIMB	300			80	
LESS	LESS	10	20	30	40	50	60	70	80	90	100	110	120	SUM
180 185 190 195 200		0.2	0.2	0.8 4.0 0.7	0.1 4.2	0.9	0.1							1.3
205 SUM		0.3	1.0	5.5	4.3	1.0	0.5							12.5

	MINUTES	FOR TOR	QUE1 VS	RPH BY	MISSION	SEG	DESCNT,	BY RATE	OF CLIMB	300	BY	OAT	90	
LESS		10	20	30 0.1	40	50	60	70	80	90	100	110	120	SUM 0.1
180				0.2	0.3	0.1	0.1			0.1				0.0
185		0.1	0.1	0.6	0.3	0.3	0.2	0.9						2.4
195				0.1		0.1	0.1							0.3
200														
205														
SUM		0.1	0.1	1.0	0.6	0.5	0.4	0.9		0.1				3.7
	MINUTES	FOR TOR	GRES A2	RPH BY	MISSION	SEG	DESCRT.	BY RATE	OF CLIMB	300	. 84	DAT	90	
			20	10	40			70	• •				110	£1100
LESS	LESS 0.1	10	20	30	40	50	60	70	80	90	100	110	. 120	SUM 0.1
180		0.1	0.3	0.2			0.1	0.1						0.8
185			0.1	0.7	0.3	1.2								2.4
190					0.2	0.1								0.3
200														
205														
SUM		0.1	0.4	0.9	0.4	1.2	0.2	0.1						3.7
	MINUTES	FOR TOR	OUF1 VS	EPH RY	MISSION	SEG	DESCRIT.	BY BATE	OF CLIMS	300	. 84	OAT	SUM	
			4011 10	K/ II U	W. 19910W	340	DESCRIT		OF CLIMB	300	, 61	UAI	30H	
	LESS	10	20	30	40	50	60	70	80	90	100	110	120	SUM
LESS 180		0.2	0.8	0.1										0.1
185		0.5	3.3	1.1	1.5 7.0	0.1		1.2	0.1	0.1				5.4 26.8
190		•••	•••	0.9	0.3	0.4		***	•••					1.7
195														
200														
205 SUM		0.7	4.0	12.0	8.9	4.0	2.4	1.3	0.1	0.1				34.0
••••	•••	•••	****		•••	700				•••				34.0
	INUTES	FOR TOR	SA Zane	RPH LY	MISSION	SEG (	ESCHT.	BY RATE	OF CLIMB	300	, BY	DAT	SUM	
			••	30	40	50	60	70	80	90	100	110	120	SUM
LESS	0.1	10	20	30	40	30	•0	70	•0	70	100	110	110	0.1
180	0.1													5.4
		0.4	0.6	1.4	2.2	0.3	0.3	0.1						
185	0.1	0.4	0.6	9.9	9.9	3.7	0.7	0.1						26.8
195	0.1	0.4						0.1						
195 190 195				9.9	9.9	3.7		0.1						26.8
195 190 195 200				9.9	9.9	3.7		0.1						26.8
195 190 195				9.9	9.9	3.7		0.1						26.8
185 190 195 200 205	0.1	0.1	2.6	9.9	9.9	3.7	0.7							26.8
185 190 195 200 205 SUM	0.3	0.1	3.2	12.1	9.9 0.5 12.6	3.7 0.1 4.1	1.0	0.1			***			26.8
185 190 195 200 205 SUM	0.3	0.1	3.2	12.1	9.9 0.5 12.6	3.7 0.1 4.1	1.0	0.1	OF CLIMB	600.	BÝ	OAT	60	26.8
185 190 195 200 205 SUM	0.1 0.3	0.1 0.5 FGR (OR	3.2 QUE1 VS	9.9 0.8 12.1 RPH BY	9.9 0.5 12.6 MISSION	3.7 0.1 4.1 SEG (	1.0 DESCRT,	0.1 BY RATE						26.8
185 190 195 200 205 SUM	0.3	0.1	3.2	12.1	12.6	3.7 0.1 4.1	1.0	0.1	OF CLIMB	600. 90	84	OAT 110	60	26.8 1.7 34.0
185 190 195 200 205 SUM	0.1 0.3	0.1 0.5 FGR (OR	2.6 3.2 9UE1 VS 20	9.9 0.8 12.1 RPH BY	9.9 0.5 12.6 MISSION 40 0.1	3.7 0.1 4.1 SEG (	1.0 DESCRT,	0.1 BY RATE						26.8 1.7 34.0 SUM 0.2
185 190 195 200 205 SUM	0.1 0.3	0.1 0.5 FGR (OR	3.2 QUE1 VS	9.9 0.8 12.1 RPH BY	12.6 HISSION	3.7 0.1 4.1 SEG (	1.0 DESCRT,	0.1 BY RATE						26.8 1.7 34.0
185 190 195 200 205 SUM LESS 180 185	0.1 0.3	0.1 0.5 FGR (OR	2.6 3.2 9UE1 VS 20	9.9 0.8 12.1 RPH BY	9.9 0.5 12.6 MISSION 40 0.1	3.7 0.1 4.1 SEG (	1.0 DESCRT,	0.1 BY RATE						26.8 1.7 34.0 SUM 0.2
185 190 195 200 205 SUM LESS 180 185 190	0.1 0.3	0.1 0.5 FGR (OR	2.6 3.2 9UE1 VS 20	9.9 0.8 12.1 RPH BY	9.9 0.5 12.6 MISSION 40 0.1	3.7 0.1 4.1 SEG (	1.0 DESCRT,	0.1 BY RATE						26.8 1.7 34.0 SUM 0.2
185 190 195 200 205 SUM LESS 180 185 190 205	0.1 0.3	0.1 0.5 FGR (OR	2.6 3.2 9UE1 VS 20 0.1	9.9 0.8 12.1 RPM BY 30 0.5	9.9 0.5 12.6 MISSIGN 40 0.1 0.7	3.7 0.1 4.1 SEG ( 50 0.1	1.0 DESCRT,	0.1 BY RATE						26.8 1.7 34.0 SUM 0.2 1.3
185 190 195 200 205 SUM LESS 180 185 190 195 200	0.1 0.3	0.1 0.5 FGR (OR	2.6 3.2 9UE1 VS 20	9.9 0.8 12.1 RPH BY	9.9 0.5 12.6 MISSION 40 0.1	3.7 0.1 4.1 SEG (	1.0 DESCRT,	0.1 BY RATE						26.8 1.7 34.0 SUM
185 190 195 200 205 SUM LESS 180 185 190 205	0.1 0.3	0.1 0.5 FGR (OR	2.6 3.2 9UE1 VS 20 0.1	9.9 0.8 12.1 RPM BY 30 0.5	9.9 0.5 12.6 MISSIGN 40 0.1 0.7	3.7 0.1 4.1 SEG ( 50 0.1	1.0 DESCRT,	0.1 BY RATE						26.8 1.7 34.0 SUM 0.2 1.3
185 190 195 200 205 SUM LESS 180 185 190 205	0.1 0.3	0.1 0.5 FGR (OR	2.6 3.2 9UE1 VS 20 0.1	9.9 0.8 12.1 RPM BY 30 0.5	9.9 0.5 12.6 MISSIGN 40 0.1 0.7	3.7 0.1 4.1 SEG ( 50 0.1	1.0 DESCRT,	0.1 BY RATE						26.8 1.7 34.0 SUM 0.2 1.3
185 190 195 200 205 SUM 185 190 195 200 205 SUM	0.1 0.3 HINUTES LESS	0.1 0.5 FER (OR) 10	2.6 3.2 QUE1 VS 20 0.1	9.9 0.8 12-1 RPM BY 30 0.5	12.6  MISSION  40  0.1  0.7	3.7 0.1 4.1 SEG ( 50 0.1	0.7 1.0 DESCNT. 60	0-1 BY RATE 70	80	90	100	110		26.8 1.7 34.0 SUM 0.2 1.3
185 190 195 200 205 SUM 185 190 195 200 205 SUM	0.1 0.3 HINUTES LESS	0.1 0.5 FER (OR) 10	3.2 QUE1 VS 20 0.1 0.1	9.9 0.8 12-1 RPM BY 30 0.5	0.9 0.5 12.6 MISSION 40 0.1 0.7	3.7 0.1 4.1 SEG ( 50 0.1	0.7 1.0 DESCRIT, 60	O.1 BY RATE 70	BO OF CLIMB	90	100 .	110	60	26.8 1.7 34.0 SUM 0.2 1.3
185 190 195 200 205 SUM LESS 190 195 200 205 SUM	0.1 0.3 HINUTES LESS MINUTES LESS	0.1 0.5 FER (OR) 10	2.6 3.2 QUE1 VS 20 0.1	9.9 0.8 12-1 RPM BY 30 0.5	12.6  MISSION  40  0.1  0.7	3.7 0.1 4.1 SEG ( 50 0.1	0.7 1.0 DESCRIT, 60	0-1 BY RATE 70	80	90	100	110	120	26.8 1.7 34.0 SUM 0.2 1.3
185 190 193 200 205 SUM LESS 190 195 200 205 SUM	0.1 0.3 HINUTES LESS	0.1 0.5 FOR TOR	3.2 QUE1 VS 20 0.1 0.1	9.9 0.8 12.1 RPM BY 30 0.5	0.9 0.5 12.6 MISSION 40 0.1 0.7	3.7 0.1 4.1 SEG ( 50 0.1	0.7 1.0 DESCRIT, 60	O.1 BY RATE 70	BO OF CLIMB	90	100 .	110	60	26.8 1.7 34.0 SUM 0.2 1.3
185 190 195 200 205 SUM LESS 180 185 190 205 SUM	0.1 0.3 HINUTES LESS	0.1 0.5 FOR TOR	3.2  QUE1 VS 20 0.1  0.1	9.9 0.8 12-1 RPM BY 30 0.5 RPM BY 30 0.1	0.9 0.5 12.6 MISSION 40 0.1 0.7	3.7 0.1 4.1 SEG ( 50 0.1	0.7  1.0  DESCRIT,  60	O.1 BY RATE 70	BO OF CLIMB	90	100 .	110	60	26.8 1.7 34.0 SUM 0.2 1.3
185 190 193 200 205 SUM LESS 190 195 200 205 SUM	0.1 0.3 HINUTES LESS	0.1 0.5 FOR TOR	3.2 QUE1 VS 20 0.1 0.1	9.9 0.8 12.1 RPM BY 30 0.5	0.9 0.5 12.6 MISSION 40 0.1 0.7	3.7 0.1 4.1 SEG ( 50 0.1	0.7  1.0  DESCRIT,  60	O.1 BY RATE 70	BO OF CLIMB	90	100 .	110	60	26.8 1.7 34.0 SUM 0.2 1.3
185 190 200 205 SUM 180 180 190 195 200 205 SUM	0.1 0.3 HINUTES LESS	0.1 0.5 FOR TOR	3.2  QUE1 VS 20 0.1  0.1	9.9 0.8 12-1 RPM BY 30 0.5 RPM BY 30 0.1	0.9 0.5 12.6 MISSION 40 0.1 0.7	3.7 0.1 4.1 SEG ( 50 0.1	0.7  1.0  DESCRIT,  60	O.1 BY RATE 70	BO OF CLIMB	90	100 .	110	60	26.8 1.7 34.0 SUM 0.2 1.3
185 190 200 205 SUM 185 180 185 180 185 200 205 SUM	0.1 0.3 HINUTES LESS	0.1 0.5 FOR TOR	3.2  QUE1 VS 20 0.1  0.1	9.9 0.8 12-1 RPM BY 30 0.5 RPM BY 30 0.1	0.9 0.5 12.6 MISSION 40 0.1 0.7	3.7 0.1 4.1 SEG ( 50 0.1	0.7  1.0  DESCRIT,  60	O.1 BY RATE 70	BO OF CLIMB	90	100 .	110	60	26.8 1.7 34.0 SUM 0.2 1.3
185 190 200 205 SUM 180 180 190 195 200 205 SUM	0.1 0.3 HINUTES LESS	0.1 0.5 FOR TOR	3.2  QUE1 VS 20 0.1  0.1	9.9 0.8 12-1 RPM BY 30 0.5 RPM BY 30 0.1	0.9 0.5 12.6 MISSION 40 0.1 0.7	3.7 0.1 4.1 SEG ( 50 0.1	0.7 1.0 DESCNT, 60	O.1 BY RATE 70	BO OF CLIMB	90	100 .	110	60	26.8 1.7 34.0 SUM 0.2 1.3

				TA	BLE	XLIV	7 - C	ontinu	ıed					
	MINUTES	FOR T	ORQUEL V	5 RPH 8	MISSIO	SEG	DESCNT,	BY RATE	OF CLIME	600	. 87	CAT	70	
	LESS	1	0 20	30	40	50	60	70	80	90	100	110	120	SUM
185 185 195 195 206	0 • 1 3 3			0.1	0.2	0.1	0.1	0.1						0.4
209 SUR				0.6	0.0	0-1	0.1	0.2						1.9
	MINUTES	FOR TO	DRQUEZ VS	RPH BY	MISSION	SEG D	ESCNT,	SY RATE	OF CLIMB	600	, BY	CAT	70	
LESS	LESS	10	20	30	40	50	60	70	80	90	100	110	120	SUM
180 185 190 195 200 205			0.1	0.2	0.1	0.1	0.1		54					0.4 1.5
SUM			0.1	0.6	1.0	0.1	0.1							1.9
	MINUTES	FOR TO	RQUEL VS	RPH BY	MISSION	SEG D	ESCNT,	BY RATE	OF CLIMB	600,	84	DAT	80	
LESS	LESS	10	20	30	40	50	60	70	80	90	100	110	120	SUM
180 185 190 195	0.1	0.1		0.8	0.2	0.1								0.2 1.8 0.2
200 205 SUM	0.1	0.1	0.2	0.9	0.8	0.1								2.2
,	INUTES	FOR TO	RQUEZ VS	RPH BY	MISSION	SEG D	ESCNT.	BY RATE	OF CLIMB	600 .	87	OAT	80	
LESS	LESS	10	20	30	40	50	60	70	80	90	100	110	120	SUM
180 185 190 195 200 205	0.1		0.3 0.1	0.1 0.7 0.1	0.7	0.2								0.2 1.8 0.2
SUM	0.1		0.4	0.9	0.7	0.2								2.2
	MINUTES	FOR TO	RQUE1 VS	RPH BY	MISSION	SEG D	ESCNT,	BY RATE	OF CLIMB	600,	BY	OAT	90	
LESS	LESS	10	20	30	40	50	60	70	80	90	100	110	120	SUM
180 185 190 195 200 205				0.1	0.1	0-1	0.1	0.1						0.3
SUM				0.2	0.1	0.1	0.3	0.1						0.
1			RQUE2 VS							600		OAT	90	
180 185 190	LESS	10	20	0.1 0.2	0.1	0.2 0.1	0.1	70	.0	90	100	110	120	0.3 0.5
195 200 205 SUM				0.3	0.1	0.3	0.1							0.8

					T	ABLE	XLI	V -	Con	ti nı	ued					
	MINUTE	SF	DR TORG	WEL V	S RPH	BY MISSI	ON SEG	DESCNT	. BY	RATE	OF CLIM	60	0. 8	Y OAT	SUM	
	LES	S	10	20	3	0 40	50	6	0	70	80	90	100	110	120	SU
185 186 196 196 206	0.	2	0.1	0.3		2.0				0.2 0.1						1. 5. 0.
209 SU		2	0.1	0.3	2.	1 2.5	0.4	0.	•	0.3						6.
	MINUTE	s FO	R TORQ	UE2 V	S RPH 8	Y MISSIC	N SEG	DESCNI	BY R	ATE	UF CLIMB	600	, 8	Y OAT	SUM	
	LES	S	10	20	30	40	50	60	)	70	80	90	100	110	120	SUM
LESS 180 185 190 195 200 205	0.1	1		0.6	0.5 1.5 0.1	2.5	0.3	0.2	•							1.1 5.1 0.2
SUM		1		0.7	2.1	2.7	0.7	0.2	2							6.4
	MINUTES	FO	R TORQU	JEl V	S RPM B	Y MISSIO	N SEG C	DESCNT.	BY R	ATE	OF CLIMB	900	, BY	OAT	80	
LESS	LESS	5	10	20	30	40	50	60	1	70	60	90	100	110	120	SUM
180 185 190 195 200 205					0.1			0.1								0.2
SUM					0.1			0.1								0.2
H	INUTES	FOR	TORQUE	ES A2	RPH BY	MISSION	SEG DE	ESCNT,	BY RA	TE O	F CLIMB	900	. 87	DAT	80	
LESS	LESS		10	20	30	40	50	60	7	0	80	90	100	110	120	SUM
180 185 190 195 200 205						0.1		0.1								0.2
SUM						0.1		0.1								0.2
MI	INUTES	FOR	TORQUE	1 VS	RPH BY	MISSION	SEG DE	SCNT.	BY RA	TE U	F CLIMB	900,	вч	DAT	SUM	
LESS	LESS		10	20	30	40	50	60	7	0	80	90	100	110	120	SUM
180 185 190 195 200					0.1			0.1								0.2
205 Sum					0.1			0.1								0.2
MI	INUTES	FOR	TORQUE	2 VS	RPM BY	MISSION	SEG DE	SCNT.	BY RA	TE U	F CLIMB	900	, BY	DAT	SUM	
LESS 180	LESS		10	20	30	40	50	60	7	0	60	90	100	110	120	SUM
185 190 195 200 205						0.1		0.1								0.2
SUM						0.1		0.1								0.2

MINUTES	FOR	TORQUE	VS 1	RPH BY	MISSION	SEG	DESCRT.	BY	RATE	UF	CLIMB	1200,	84	DAT	80	
5		10	20	30	40	50	60	1	70		80	90	100	110	120	SUM
5 5 5				0.1												0.1
				0.1												0.1
MINUTES	FOR	TORQUEZ	VS R	IPH BY	MISSION	SEG	DESCNT.	BY	RATE	OF	CLIMB	1200	, 8Y	DAT	80	
		10 .	20	30	40	50	60		70		●0	90	100	110	120	SUM
					0.1											0.1
					0.1											0.1
MINUTES	FOR	TORQUEL	VS R	PH BY	MISSION	SEG	DESCHT,	BY	RATE	OF	CLIMB	1200,	BY	OAT	SUM	
		10	20	30	40	50	60		70		80	90	100	110	120	SUM
				0.1												0.1
				0.1												0.1
HINUTES	FOR	TORQUEZ	VS R	PH BY	MISSION	SEG (	DESCNT.	BY I	RATE (	)F	CLIMB	1200 .	BY	DAT	SUM	
LESS		10 2	20	30	40	50	60		70		80	90	100	110	120	SUM
					0.1											0.1
					0.1											0.1
INUTES	FOR	TORQUEL	VS RI	PM BY	HISSION	SEG S	TEADY,	BY 1	ATE C	)F	CLIMB .	-1200,	87	DAT	60	
LESS		10 2	0	30 -	40	50	60		70		30	90	100	110	120	SUM
				0.1												0.1
				0.1												0-1
MINUTES	FOR	TORQUE 2	VS R	PH BY	MISSION	SEG :	STEADY,	<b>BY</b> 1	RATE (	DF	CLTMB -	-1200 ,	87	CAT	60	
LESS		10 2	20	30	40	50	60		70		60	40	100	110	120	SUM
				0.1												0.1
				0.1												0.1
	MINUTES LESS MINUTES LESS MINUTES LESS	MINUTES FOR LESS MINUTES FOR LESS MINUTES FOR LESS	MINUTES FOR TORQUE2 LESS 10  MINUTES FOR TORQUE2 LESS 10  MINUTES FOR TORQUE2 LESS 10  MINUTES FOR TORQUE2	MINUTES FOR TORQUE2 VS R LESS 10 20  MINUTES FOR TORQUE2 VS R LESS 10 20  MINUTES FOR TORQUE2 VS R LESS 10 20  MINUTES FOR TORQUE2 VS R	LESS 10 20 30  O.1  MINUTES FOR TORQUE2 VS RPM BY LESS 10 20 30  O.1  MINUTES FOR TORQUE2 VS RPM BY LESS 10 20 30  O.1  MINUTES FOR TORQUE2 VS RPM BY LESS 10 20 30  O.1  MINUTES FOR TORQUE2 VS RPM BY LESS 10 20 30  O.1  O.1  MINUTES FOR TORQUE2 VS RPM BY LESS 10 20 30  O.1  O.1	LESS   10   20   30   40	CESS   10   20   30   40   50	O.1  MINUTES FOR TORQUEZ VS RPM BY MISSION SEG DESCNT.  LESS 10 20 30 40 50 60  O.1  MINUTES FOR TORQUEL VS RPM BY MISSION SEG DESCNT.  LESS 10 20 30 60 50 60  O.1  MINUTES FOR TORQUEZ VS RPM BY MISSION SEG DESCNT.  LESS 10 20 30 40 50 60  O.1  MINUTES FOR TORQUEZ VS RPM BY MISSION SEG STEADY.  LESS 10 20 30 40 50 60  O.1  MINUTES FOR TORQUEZ VS RPM BY MISSION SEG STEADY.  LESS 10 20 30 40 50 60  O.1	CESS   10   20   30   40   50   60	LESS 10 20 30 40 50 40 70  0.1  MINUTES FOR TORQUEZ VS RPH BY MISSION SEG DESCMT, BY RATE LESS 10 20 30 40 50 60 70  0.1  MINUTES FOR TORQUEL VS RPM BY MISSION SEG DESCMT, BY RATE LESS 10 20 30 40 50 60 70  0.1  MINUTES FOR TORQUEZ VS RPM BY MISSION SEG DESCMT, BY RATE LESS 10 20 30 40 50 60 70  0.1  MINUTES FOR TORQUEL VS RPM BY MISSION SEG STEADY, BY RATE ( 0.1  MINUTES FOR TORQUEL VS RPM BY MISSION SEG STEADY, BY RATE ( 0.1  MINUTES FOR TORQUEL VS RPM BY MISSION SEG STEADY, BY RATE ( 0.1  0.1  MINUTES FOR TORQUEL VS RPM BY MISSION SEG STEADY, BY RATE ( 0.1  0.1  0.1	CESS   10   20   30   40   50   60   70	0.1  MINUTES FOR TORQUEZ VS RPM BY MISSION SEG DESCMT, BY RATE OF CLIMB  LESS 10 20 30 40 30 60 70 80  0.1  MINUTES FOR TORQUEL VS RPM BY MISSION SEG DESCMT, BY RATE OF CLIMB  LESS 10 20 30 40 50 60 70 80  0.1  MINUTES FOR TORQUEZ VS RPM BY MISSION SEG DESCMT, BY RATE OF CLIMB  LESS 10 20 30 40 50 60 70 80  0.1  4INUTES FOR TORQUEL VS RPM BY MISSION SEG STEADY, BY RATE OF CLIMB  0.1  4INUTES FOR TORQUEL VS RPM BY MISSION SEG STEADY, BY RATE OF CLIMB  0.1  0.1  MINUTES FOR TORQUEL VS RPM BY MISSION SEG STEADY, BY RATE OF CLIMB  10 20 30 40 50 60 70 80  0.1	LESS 10 20 30 40 50 40 70 80 90  0-1  MINUTES FOR TORQUEZ VS RPM BY MISSION SEG DESCHT, BY RATE OF CLIMB 1200 LESS 10 20 30 40 50 40 70 80 90  0-1  MINUTES FOR TORQUEL VS RPM BY MISSION SEG DESCHT, BY RATE OF CLIMB 1200, LESS 10 20 30 40 50 60 70 80 90  0-1  0-1  MINUTES FOR TORQUEZ VS RPM BY MISSION SEG DESCHT, BY RATE OF CLIMB 1200, LESS 10 20 30 40 50 60 70 80 90  0-1  0-1  MINUTES FOR TORQUEL VS RPM BY MISSION SEG STEADY, BY RATE OF CLIMB -1200, LESS 10 20 30 40 50 60 70 30 90  0-1  0-1  MINUTES FOR TORQUEZ VS RPM BY MISSION SEG STEADY, BY RATE OF CLIMB -1200, LESS 10 20 30 40 50 60 70 80 90  0-1  MINUTES FOR TORQUEZ VS RPM BY MISSION SEG STEADY, BY RATE OF CLIMB -1200, LESS 10 20 30 40 50 60 70 80 90  0-1	O.1  MINUTES FOR TORQUEZ VS RPM BY MISSION SEG DESCMT, BY RATE OF CLIMB 1200 , BY LESS 10 20 30 40 50 60 70 80 90 100  O.1  MINUTES FOR TORQUEL VS RPM BY MISSION SEG DESCMT, BY RATE OF CLIMB 1200, BY LESS 10 20 30 40 50 60 70 80 90 100  O.1  MINUTES FOR TORQUEZ VS RPM BY MISSION SEG DESCMT, BY RATE OF CLIMB 1200 , BY LESS 10 20 30 40 50 60 70 80 90 100  O.1  O.1  MINUTES FOR TORQUEZ VS RPM BY MISSION SEG DESCMT, BY RATE OF CLIMB -1200 , BY LESS 10 20 30 40 50 60 70 80 90 100  O.1  O.1  MINUTES FOR TORQUEZ VS RPM BY MISSION SEG STEADY, BY RATE OF CLIMB -1200 , BY LESS 10 20 30 40 50 60 70 80 90 100  O.1  O.1  MINUTES FOR TORQUEZ VS RPM BY MISSION SEG STEADY, BY RATE OF CLIMB -1200 , BY LESS 10 20 30 40 50 60 70 80 90 100  O.1	LESS 10 20 30 40 50 60 70 80 90 100 110  0.1  MINUTES FOR TORQUEZ VS RPM BY MISSION SEG DESCHT, BY RATE OF CLIMB 1200, BY DAT LESS 10 20 30 40 50 60 70 80 90 100 110  0.1  MINUTES FOR TORQUEZ VS RPM BY MISSION SEG DESCHT, BY RATE OF CLIMB 1200, BY DAT LESS 10 20 30 40 50 60 70 80 90 100 110  0.1  MINUTES FOR TORQUEZ VS RPM BY MISSION SEG DESCHT, BY RATE OF CLIMB 1200, BY DAT LESS 10 20 30 40 50 60 70 80 90 100 110  0.1  WINUTES FOR TORQUEZ VS RPM BY MISSION SEG STEADY, BY RATE OF CLIMB -1200, BY DAT LESS 10 20 30 40 50 60 70 80 90 100 110  0.1  WINUTES FOR TORQUEZ VS RPM BY MISSION SEG STEADY, BY RATE OF CLIMB -1200, BY DAT LESS 10 20 30 40 50 60 70 80 90 100 110  0.1  WINUTES FOR TORQUEZ VS RPM BY MISSION SEG STEADY, BY RATE OF CLIMB -1200, BY DAT LESS 10 20 30 40 50 60 70 80 90 100 110	CESS   10   20   30   40   50   40   70   80   90   100   110   120

i	MINUTES	FOR	TORQUE	1 VS	RPH BY	MISSION	SEG S1	TEADY.	BY F	LATE	OF	CLIMB	-1200,	BY	DAT	70	
LESS	LESS		10	20	30	40	50	60		70		80	90	100	110	120	SUM
180 185 190 195 200					0.1			:	- 44								0.1
205 SUM					0.1												0.1
	MINUTES	FOR	TORQU	EZ VS	RPH BY	MISSION	SEG S	STEADY.	84	RATE	UF	CLIMB	-1200	. 8	Y DAT	70	
LES	LESS		10	20	30	40	50	60	)	70		80	90	100	110	120	SUM
180 190 190 200	5 5 5				0.1												0.1
20: SUI	5				0.1												0.1
	MINUTES	FOR	TORQUE	El VS	RPH BY	MISSION	SEG S	TEADY,	BY	RATE	OF	CLIMB	-1200,	87	OAT	SUM	
LESS	LESS		10	20	30	40	50	60		70		80	90	100	110	120	SUM
180 185 190 195 200					0.2												0.2
205 SUM					0.2												0.2
	MINUTES	FOR	TORQUE	EZ VS	RPH BY	MISSION	SEG S	TEADY,	BY I	RATE	OF	CL IMB	-1200	, 81	DAT	SUM	
LESS	LESS		10	20	30	40	50	60		70		80	90	100	110	120	SUM
180 185 190 195 200					0.2												0.2
205 SUM					0.2												0.2
,	INUTES	FOR	TORQUE	1 VS	RPM BY	MISSION	SEG S	TEADY,	BY R	ATE	OF	CLIMB	-900,	84	DAT	50	
LESS	LESS		10	20	30	40	50	60		70		80	90	100	110	120	SUM
180 185 190 195 200					0.2	0.2											0.4
205 SUM					0.2	0.2											0.4
ı	INUTES	FOR	TORQUE	2 VS	RPN BY	HISSION	SEG S	TEADY,	8 Y R	ATE	ÜF	CLIMB	-900	. 84	DAT	50	
LESS	LESS		10	20	30	40	50	60		70		80	90	100	110	120	SUM
180 185 190 195 200					0.4												0.4
205 Sum					0.4												0.4

	MINUTE	s FOI	TORGL	JE1 VS	RPH BY	MISSION	I SEG	STEADY	. 84	RATE	U	F CLIMB	-900	. 67	OAT	60	
	LES	S	10	20	30	40	5	0 60	)	70		80	90	100	110	120	SUM
LES: 18: 19: 19: 20:	5 5 5 5				0.2	0.8	0.	2									0.2
209 SUI					1.1	0.8	0.	2									2.1
	MINUTES	FOR	TORQU	E2 VS	RPH BY	MISSION	SEG	STEADY,	BY	RATE	OF	CL IMB	-900	. 87	DAT	60	
LESS	LESS	;	10	20	30	40	50	•0		70		80	90	100	110	120	SUM
180 185 190 195 200 205					0.1 0.9	0.1	0.1										0.2
SUM					1.0	1.0	0.1										2.1
	MINUTES	FOR	TORQU	El VS	RPH BY	MISSION	SEG	STEADY,	BY	RATE	06	CLIMB	-900,	BY	DAT	70	
	LESS		10	20	30	40	50	60		70		80	90	100	110	120	SUM
LESS 180 190 190 200					0.1	0.4	0.1			0.1							0.7 1.5
205 SUM					0.8	1.1	0.3	)		0.1							2.2
	MINUTES	FOR	TORQUE	2 VS	RPH BY	MISSION	SEG	STEADY,	BY F	ATE	UF	CLIMB	-900	, 67	DAT	70	
LESS	LESS		10	20	30	40	50	60		70		80	90	100	110	120	SUM
180 185 190 195 200 205					0.2	0.4	0.2	0.1									0.7
SUM					0.9	1.1	0.2	0.1									2.2
	MINUTES	FOR	TORQUE	El VS	RPH BY	MISSION	SEG	STEADY.	BY	RATE	UF	CLIMB	-900,	BY	DAT	80	
LESS	LESS		10	20	30	40	50	60		70		80	90	100	110	120	SUM
180 185 190 195 200 205				0.1	0.1 0.3 0.1	0.2	0.1										0.3 0.8 0.1
SUM				0.1	0.5	0.2	0.3	0.1									1.2
	INUTES	FOR	TORQUE	2 VS	RPH BY	MISSION	SEG S	TEADY,	BY R	ATE (	0 <b>F</b>	CLIMB	-900 ,	ВУ	DAT	80	
LESS	LESS		10	20	30	40	50	60		70		80	90	100	110	120	SUM
180 185 190 195 200				0.1	0.2 0.2 0.1	0.4	0.1	0.1									0.3 0.8 0.1
205 SUM				0.1	0.5	0.4	0.1	0.1									1.2

					TA	BLE	XLI	V - C	Cor	ntin	ue	d					
	MINUTES	FOR	TORQU	E1 VS	RPH BY	MISSION	SEG	STEADY,	BY	RATE	UF	CLIMB	-900	), B1	CAT	90	
LESS			10	20	30	40	50			70		80	90	100	110	120	SUM
185 190 195 200 205					0.1		0.1										0.1
SUM					0.1		0.2										0-4
			TORQU	EZ VS	RPM BY	MISSION	SEG	STEADY,	87	RATE	UF	CLIMB	-900	) . E	Y UÁÎ	40	
LESS 100			10	20	30	40	50	60		70		80	90	100	110	120	SUM
195 190 195 200 203					0.1		0.2										0.1
SUM	<u>l</u>				0.2		0.2										0.4
	MINUTES	FOR	TORQU	El VS	RPM BY	MISSION	SEG	STEADY,	84	RATE	OF	CLIMB	-900	. BY	CAT	SUM	
LESS	LESS		10	20	30	40	50	60		70		80	90	100	110	120	SUM
180 185 190 195 200				0.1	0.4 2.2 0.1	0.4	0.3			0.1							1.3 5.0 0.1
205 SUM				0-1	2.7	2.3	1.0	0.2		0.1							6.3
	MINUTES	FOR	TORQUE	E2 VS	RPH 8Y	MISSION	SEG	STEADY,	BY	RATE	OF	CLIMB	-900	, 8	Y OAT	SUM	
LESS	LESS		10	20	30	40	50	60		70		80	90	100	110	120	MUZ
180 185 190 195 200 205				0.1	0.6 2.3 0.1	0.5 2.0	0.1	0.1 0.1									1.3 5.0 U.1
SUM				0.1	3.0	2.5	0.5	0.2									6.3
,	MINUTES	FOR	TORQUE	1 VS	RPM BY	MISSION	SEG S	TEADY,	BY F	RATE	ŭF	CLIMB	-600,	BY	OAT	40	
LESS	LESS		10	20	30	40	50	60		70		80	90	100	110	120	SUM
180 185 190 195 200 205					0.6	0.2											0.8
SUM					0.6	0.2											0.8
M	INUTES	FOR	TORQUE	2 VS (	RPM BY	HISSION	SEG S	TEADY,	PY A	ATE	() F	CL IMB	-600	, BY	CAT	40	
LESS	LESS		10	20	30	40	50	60		70		80	90	100	110	120	SUM
180 185 190 195 200					0.8												0.8
205 SUM					0.8												0.8

TABLE XLIV - Continued MINUTES FOR TORQUE1 VS RPM BY MISSION SEG STEADY, BY RATE OF CLIMB -600, BY OAT 50 120 SUM 10 30 40 60 70 80 100 110 20 90 LESS 180 185 190 195 200 205 SUM 0.0 3.0 0.0 0.8 3.0 2.2 0.8 MINUTES FOR TORQUEZ VS RPM BY MISSION SEG STEADY, BY RATE OF CLIMB -600 , BY DAT 50 10 20 30 SUM LESS 0.0 0.0 3.0 180 185 190 195 200 205 SUM MINUTES FOR TORQUEL VS RPM BY MISSION SEG STEADY, BY RATE UF CLIMB -600, DAT 60 B٧ 50 70 100 120 SUM LESS 180 185 190 195 200 205 SUM 2.7 0.6 3.5 0.4 3.7 7.5 1.5 13.7 MINUTES FOR TORQUEZ VS RPM BY MISSION SEG STEADY, BY RATE OF CLIMB -600 , 60 40 LESS 180 185 190 195 200 205 SUM 20 30 SUM 0.3 0.7 1.1 3.7 2.3 4.3 0.6 13.7 MINUTES FOR TORQUEL VS RPM BY MISSION SEG STEADY. BY RATE OF CLIMB 70 LESS 10 60 20 30 40 50 70 80 90 100 120 SUM LESS 180 185 190 195 200 205 SUM 2.2 6.0 0.1 3.1 5.6 0.6 0.1 1.4 2.5 0.1 0.6 0.3 7.7 16.1 0.8 0.7 9.3 0.6 24.5 MINUTES FOR TORQUEZ VS RPM BY MISSION SEG STEADY, BY RATE OF CLIMB -600 , 70 BY DAT 120 70 SUM 50 60 80 90 100 110 10 20 30 40 LESS 180 185 190 195 200 205 SUM 7.7 16.1 0.8 0.7 4.2 7.5 0.4 0.6 0.4 1.8 4.3 0.4 24.5

0.8

2.2

6.5

12.1

							11111	, - 0		aca					
	MINUTE	S FO	R TO	RQUEL VS	RPH BY	MISSION	SEG S	TEADY.	BY RATE	OF CLIME	-600	BY	DAT	80	
	LES		10		30	40	50	60	70	c a	90	100	110	120	SUM
LESS			•	-			0.4								0.4
180					0.4	0.8	0.6	0.1		C - 1					11.2
189			0.3	0.8	5.4	2.7 0.2	1.2	0.7		0.1					0.9
190					0.5	0.2	0.2								
200															
205										• •					14.4
SUF	1		0.3	0.8	6.3	3.6	2.4	0.8		C.1					• • • •
	MINUT	ES F	OR TO	RQUEZ VS	RPM 6	Y MISSIO	N SEG	STEADY,	BY RATE	UF CLIM	B -600	, B	Y UAT	60	
LES	LE	55	10	20	30	0.4	50	60	70	80 -	90	100	110	120	SUN 0.4
18					0.4		0.4	0.3							1.6
1.8				1-4	3.5		1.4	0.3	0.1						11.7
190					0.5	0.4									0.4
199															
20															
Suf				1.4	4.4	6.1	1.8	0.6	0.1						14.4
	MINUTE	S FO	R TOP	ROUF 1 VS	RPM BY	MISSION	SEG S	TEADY.	BY RATE	UF CLIMB	-600.	ВУ	CAT	90	
				.4022							••••				
	LES	S	10	20	30	40	50	é0	70	80	90	100	110	120	SUM
LESS						0.1	0.1		0.1	0.2					0.1 0.5
180					0.1	0.1	0.3	0.3	0.1	C.2					1.0
190															
195															
200					•										
205 SUM					0.1	0.2	0.4	0.3	0.2	0					1.6
30						•••									
,	INUTE	S FO	R TOR	OUE2 VS	RPM BY	MISSION	SEG ST	TEADY.	BY RATE	OF CLIMB	-600	. 84	DAT	90	
		•													
	LES	\$	10	20	30	40	50	60	70	00	90	100	110	120	SUM
LESS						0.1	0.2	0.1							0.1
185					0.3	0.3	0.1	0.1	0.2						1.0
190															
195															
200															
KUZ					0.3	0.6	0.3	0.2	0.2						1.6
	MINUTE	SFO	R TO	QUEL VS	RPM BY	MISSION	SEG S	TEADY,	RY RATE	OF CLIMB	-60C.	BY	OAT	SUM	
	LES	S	10	20	30	40	50	03	70	80	90	100	110	120	SUM
LESS		-	•		•	0.1	0.4	•		•	. •		•••		0.5
180				0.1	5.3	4.6	2.4	0.7	0.4	C - 1					13.7
185 190			0.3	1.9	19.1	12.8	5.2	2.1	0.4	0.					42.0
195					0.0	7.0	0.3								1.7
200															
205				1212			12-1	-0-0		FE 78					
SUM			0.3	2.0	25.0	18.3	8.3	2.8	0.6	C.,					56.C
	TMUTE	600	7' 8'	1163 VE		NCIZZIM			v 04.55	ve e					
	.40163	PUN	, *(	ACES A2	n-m 01	~122174	250 21	CAUT, B	T KATE (	UF CLIMB	-500 .	BY	TAU	SUM	
	LESS	,	10	20	30	40	50	60	70	80	90	100	110	120	SUM
LESS						0.5									0.5
180				1.0	3.3 15.5	7.5 16.6	1.2	0.8	0.3						13.7
190				704	0.9	0.8	4.7	0.5	0.3						42.0
195						-									1.7
200															
205 SUM				5.2	19.7	25.4	5.7	1.5	0.3						
									0.5						58.0

#### TABLE XLIV - Continued MINUTES FOR TURQUEL VS RPM BY MISSION SEG STEADY, BY RATE OF CLIMB -300, BY OAT 40 SUM 60 70 80 50 20 LESS 10 LESS 180 185 190 195 200 205 16.9 17.4 MINUTES FOR TORQUEZ VS RPM BY MISSION SEG STEADY, BY RATE OF CLIMB -300 . BY OAT 20 30 50 60 70 80 90 100 SUM 180 185 190 195 200 205 SUM 16.9 0.5 17.4 MINUTES FOR TORQUEL VS RPM BY MISSION SEG STEADY, BY RATE UF CLIMB -300, BY OAT 50 SUM 0.2 34.9 91.2 30 120 70 110 LESS 10 20 40 50 60 80 90 100 0.2 LESS 180 185 190 195 200 205 SUM 0.5 0.4 60.0 126.3 12.2 89.3 24.5 0.4 MINUTES FOR TORQUEZ VS RPM BY MISSION SEG STEADY, BY RATE UF CLIMB -300 . BY GAT 50 SUM 0.2 34.9 91.2 20 30 40 50 60 70 80 90 120 100 110 LESS 16.0 17.1 1.3 180 185 190 195 200 205 SUM 7.9 100.8 17.2 0.4 126.3 MINUTES FOR TORQUEL VS RPM BY MISSION SEG STEADY, BY RATE OF CLIMB -300. 60 50 SUM 0.4 250.6 798.4 10 20 30 40 70 60 80 90 100 92.5 31.8 260.0 196.7 0.5 0.6 LESS 180 185 190 195 200 205 SUM 90.0 282.0 4.2 27.0 39.4 0.4 2.0

18.9

60

70

MINUTES FOR TORQUEZ VS RPM BY MISSION SEG STEADY, BY RATE OF CLIMB -300 . BY DAT

50 0.4 31.9 128.2

1054.5

SUM 0.4 250.6 798.4 5.2

1054.5

60

120

26.2 376.2 352.9 229.5 66.4

40

99.0 332.5 0.5

72.3 370.6 432.0 160.5

30

10

20

9.2 103.9 61.7 263.3 1.4 3.3

LESS

LESS

										- 300		DAT	70	
H	INUTES	FOR TORQ	UE1 VS	RPM BY	WISSID	N SEG SI	EADY,		OF CLIMB	-300,	84		-	
LESS	LESS	10	20	30	40	50 3.7	60	70	80	90	100	110	120	SUM 4-1
180		0.1	7.3	107.1	110.7	112.2	27.6	6.0	1					372.0
185			35.4	460.2	477.5	263.0	105.3	8.8	C . +					1350.6
190			1.0	15.1	23.7	9.2	0.3							49.3 3.2
195					3.2 1.4									1.4
205														
SUM		0.5	43.7	582.4	616.6	386.0	133.2	14.7	1.,					1780.6
	MINITE												_	
									OF CLIME	-		Y OAT	70	
LESS		10	20	30	0.8			70	80	90	100	110	120	SUM 4-1
180		0.8	12.9						1.0					372.0
189			68.5	376.8										1350.6
195	3		•••	••••	3.2		•••							3.2
200					1.4	•								1.4
205 SUP		0.8	63.6	513.1	833.0	250.5	92.4	6.1	1.0					1780.6
30,				,,,,,	0,740	2,000	76.44	••••	•••					1100.0
	MINUTES	FOR TOR	QUEL VS	RPM B	Y MISSI	ON SEG :	STEADY.	Si d	OF CLIMB	-300	. BY	DAT	80	
	LESS		20	30	40	50	60		80	90	100	110	120	SUM
LESS				0.1	0.8	0.1					•••	•••		1.0
180 185			3.1 19.5	20.1 170.2	38.7 179.1	37.3 88.0	12.2		2.7	0.5				122.0
190		0.0	0.3	16.4	9.0	5.0	18.1	6.9	3.0	1.7				487.6
195														,,,,
200 205														
SUM	1.8	5.1	22.9	206.8	227.6	130.4	32-4	8.4	5.7	2.2				643.5
	-				-			•						
,	ITNUTES	FOR TORK	NIF2 VS	RPH RY	MISSIN	M SEG S	TEADY.	RY BATE	OF CLIMB	-300	. 87	OAT	80	
	LESS	10	20	30	40	50	60	70	80	90				61144
LESS	FE 3 3	10	0.1	0.9	40	50	•0	70	80	90	100	110	120	SUM 1.0
180	0.1	2.3	6.6	29.3	45.0	30.4	6.2	1.7	0-4					122.0
185	0.8	0.3	17.0	174.4	176.9	94.4	15.4	4.9	3.5					487.6
190 195			0.3	14.9	14.3	1.0	2.2	0.1						32.9
200														
205														
SUM	0.9	2.5	24.0	219.5	236.2	125.9	23.8	6.8	3.9					643.5
M	INUTES	FOR TORG	NET A2	RPM BY	MISSIO	N SEG S	TEADY,	BY RATE	UF CLIMB	-300,	ВУ	OAT	90	
	L.SS	10	20	30	. 40	50	60	70	80	90	100	110	120	SUM
LESS 180	0.8	0.2	0.5	3.2	1.5	4.0	3.0	0-1	2.9					1.5 27.2
185	0.8	1.3	3.7	27.1	41.7	28.9	7.6	5.5	2.5	3.2	1.1	0.1		123.4
190			1.4	1.5	2.4	0.5								5.9
195														
205														
SUM	1.6	1.5	5.6	31.8	58.1	33.4	10.5	5.7	5.4	3.2	1.1	0.1		158.0
	INUTES	FOR TORG	UE2 VS	RPM BY	MISSIM	N SFG S	TEADY.	BY RATE	OF CLIMB	-300	. 81	DAT	90	
LESS	LESS	10	20	30 1.5	40	50	60	70	80	90	100	110	120	SUM 1.5
180	0.5	0.8	2.9	7.0	9.7	3.3	2.6	0.1	C-1	0.1				27.2
185	1.1	0.8	4.2	46.5	43.2	9.1	12.7	3.6	C. 4	1.3				123.4
190			0.8	4.4	0.7									5.9
195														
205														
SUM	1.6	1.6	7.8	59.5	53.7	12.5	15.3	3.7	1.0	1.4				158.0

#### TABLE XLIV - Continued MINUTES FOR TORQUEL VS RPM BY MISSION SEG STEADY, BY RATE OF CLIMB -300, 40 50 2.4 4.2 254.9 185.2 986.3 576.7 35.6 15.3 3.2 1.4 10 0.4 5.0 2.0 20 30 0.3 22.8 249.4 85.1 1012.5 2.7 37.6 SUM 7-2 90 100 110 120 70.1 170.4 2.5 9.7 22.1 180 185 190 195 200 205 SUM 0.1 3780.3 7.4 110.7 1299.8 1283.7 701.3 242.9 31.8 0.1 MINUTES FOR TORQUEZ VS RPM BY MISSION SEG STEADY, BY RATE OF CLIMB -300 . BY DAT 30 40 50 2.4 1.0 3.7 275.5 360.4 106.0 961.2 1169.8 432.1 41.1 36.4 7.6 3.2 1.4 20 0.1 33.0 158.3 4.9 70 SUM 7.2 806.6 LESS 80 90 LESS 100 105 190 195 200 205 SUM 100 21.3 125.8 3.6 4.3 12.3 0.1 1.5 0.1 2868.1 3.2 4.9 196.3 1280.3 1572.1 549.4 150.8 16.7 3780.3 5.9 MINUTES FOR TORQUEL VS RPM BY MISSION SEG STEADY, BY RATE OF CLIMB 300, BY DAT 40 20 40 60 70 80 90 100 120 SUM LESS 180 185 190 195 200 205 SUM 0.3 0.4 MINUTES FOR TORQUEZ VS RPM BY MISSION SEG STEADY, BY RATE OF CLIMB 300 . 40 BY SUM 10 30 LESS 180 185 190 195 200 205 SUM MINUTES FOR TORQUEL VS RPM BY MISSION SEG STEADY, BY RATE OF CLIMB 50 20 30 40 70 LESS 180 185 190 195 200 205 0.1 0.1 0.1 1.7 0.1 1.7 SUM 1.1 MINUTES FOR TORQUEZ VS RPM BY MISSION SEG STEADY. BY RATE OF CLIMB 300 . BY 50 40 20 30 100 120 SUM LESS LESS 180 185 190 195 200 205 SUM 0.1 0.1 0.2 2.6

2.9

0.2

2.6

0.1

				TAB	LE XI	LIV .	- Con	tinue	d					
	MINUTES	FOR TO	RQUEL VS							300	. 87	DAT	59	
	LESS	10	20	30	40	50	60	70	60	90	100	110	120	SUM
LESS 100 105 190 195 200			0-1	1.5	2.0 3.8	0.1	0.3	0.1						3.9 13.1
205 SUM			0-1	7.4	5.7	3.0	0.8	0.1						17.0
	HINUTES	FOR TO	RQUE2 VS	RPH BY	MISSION	SEG ST	TEADY, E	Y RATE	OF CLIMB	300	. 87	DAT	60	
	LESS	10	20	30	40	50	60	70	80	90	100	110	120	SUM
180 185			0.8	. 1.4	2.0 7.1	0.1	0.1							3.9 13.1
190 195 200			•••	444	•••	•••	<b></b>							•••
205 SUM			0.6	6.3	9.1	0.8	1.0							17.0
•	MINUTES	FOR TO	DRQUE1 VS	RPH BY	MISSION	SEG S	TEADY, (	BY RATE	OF CLIMB	300	, BY	OAT	70	
LESS	LESS	10	20	30	40	50	60	70	80	90	100	110	120	SUM
180 185 190			0.2 0.7	2.0 9.1 1.3	2.6 5.3 0.2	1.0 4.7 0.2	2.0	0.1	0.3					6.6 22.0 1.7
195 200 205 SUM			0.9	12.4	8.0	5.9	2.4	0.3	0.3					
				••••		,,,		0.,	0.3					30.3
1	MINUTES	FOR TO	RQUE2 VS	RPH BY	MISSION	SEG ST	TEADY. 8	Y RATE	OF CLIMB	300	, BY	DAT	70	
LESS	LESS	10	20	30	40	50	60	70	●0	90	100	110	120	SUM
190 195 190 195 200	0.2		1.3	1.6 6.8 1.3	3.2 10.5 0.2	2.7	0.6	0.1	0.2					22.0 1.7
205 SUM	0.2		1.5	9.6	13.9	4.2	0.6	0.1	0.2					30.3
	MINUTES	FOR TO	RQUE1 VS	RPM BY	MISSION	SEG SI	TEADY, 5	Y RATE	OF CLIMB	300,	BY	OAT	80	
	LESS	10	20	30	40	50	60	70	80	90	100	110	120	SUM
180 185 190 195 200		0.1	0.4	0.7 3.5 0.4	1.4 2.5 0.1	0.1	0.4							2.4 8.8 0.5
205 SUM		0.3	0.4	4.6	4.0	2-1	0.4							11.7
	HINUTE	S FOR T	ORQUEZ VS	RPM BY	MISSION	SEG S	STEADY,	BY RATE	UF CLIMA	300	. 8	Y OAT	80	
	LES	5 1	0 20	30	40	50	60	70	au	90	100	110	120	SUM
LES 18 18 19	0 5 0 5		0.2	0.7 3.3 0.3	0.7 3.0 0.2	0.3	0.6		C.i					2.4 8.8 0.5
20 20			0.7	4.3	3.9	1.7	1.0		C.1					11.7

					TI	ABLE	XL	IV - (	Co	ntin	ued					
	MINUTES	FOR	TORQU	EL VS	RPH BY	MISSION	SEG	STEADY.	61	RATE	OF CLIME	300	. 84	DAT	90	
	LESS		10	20	30	40	50	60	)	70	80	90	100	110	120	SUM
LESS 180 185 190 195 200		•	0.4	0.0	0.1		0.1	•		0.1	0.4		0.1			0.5
205 SUM		(	0.4	0.0	0.1		0.1	)		0.1	0.2		0.1			1.3
	HINUTES	FOR	TORQUE	z vs	RPM BY	MISSION	SEG	STEADY,	87	RATE	OF CLIMB	300	, 6Y	OAT	90	
LESS	LESS		10	50	30	40	50	60		70	80	90	100	110	120	SUM
180 185 190 195 200				0.1	0.5	0.1	0.4			0.1		0.1				0.5
205 SUM				0.1	0.5	0.1	0.4			0.1		0.1				1.3
j	INUTES	FOR	TORQUE	1 VS	RPM BY	MISSION	SEG	STEADY.	BY	RATE	UF CLIMB	300,	BY	CAT	SUM	
LESS	LESS		10	20	30	40	50	60		70	80	90	100	110	120	SUM
180 185 190 195 200		0		0.2	4.2 20.2 1.7	6.0 12.8 0.4	1.2 9.9 0.2	0.7 2.9		0.2	C.3 C.2		0.1			13.6
205 SUM		0	•7	1.5	26.1	19.2	11.3	3.7		0.5	C.5		0.1			63.6
H	INUTES	FOR '	TORQUE	s vs	RPM BY	MISSION	SEG :	STEADY,	вч	RATE	OF CLIMB	300	, BY	DAT	SUM	
LESS	LESS		10	20	30	40	50	60		70	80	90	100	110	120	SUM
180 185 190 195 200	0.2			0.2 2.9 0.2	4.6 17.4 1.7	6.0 20.7 0.4	1.9	0.6		0.1	0.1	0.1				13.6 47.8 2.3
205 SUM	0.2			3.3	23.7	27.1	7-1	1.7		0-2	C.3	0.1				63.6
	MINUTES	FOR	TORQUE	1 VS	RPM BY	MISSION	SEG	STEADY,	8 Y	RATE	OF CLIMB	600.	BY	OAT	40	
LESS	LESS		10	20	30	40	50	60		70	80	90	100	110	120	SUM
180 185 190 195 200 205					0.1											0-1 0-1
SUM					0.2											0.2
	MINUTES	FOR	TORQUE	E2 VS	RPM BY	MISSION	SEG	STEADY,	84	RATE	OF CLIME	600	. 87	OAT	40	
LESS 180			10	20	30	40	50	60		70	80	90	100	110	120	SUM
185 190 195 200 205				0.1												0.1
SUM				0.2												0.2

					IA		7111	· - C	Ontii	ieu					
M		FOR	TORQU	E1 VS	RPH BY	MISSION	SEC S	TEADY,	BY RATE	OF CLIMB	600,	84	OAT	50	
LESS	LESS		10	20	30	40	50	60	70	80	90	100	110	120	SUM
180 105 190 195 200					0.2	0.1									0.3
205 SUM					0.2	0.1									0.3
	MINUTE	S F01	R TORG	UE2 VS	RPM BY	MISSION	SEG	STEADY,	BY RATE	E UF CLIME	600	. 8	Y OAT	50	
	LES	s	10	20	30	40	50	60	70	60	90	100	110	120	SUM
LESS 180 185 190 195 200					0.3										0.3
205 SUM	i				0.3										0.3
,	MINUTES	FOR	TORU	UE1 VS	RPM BY	MISSION	SEG S	TEADY,	BY RATE	CF CLIMB	600	В	DAT	60	
	LESS		10	20	30	40	50	. 60	70	80	90	100	110	120	SUM
180 185 190 195				0.1	0.2	0.1 1.2 0.1	0.4	0.1							0.3 2.8 0.1
200 205 Sum				0.1	1.2	1.4	0.4	0.1							3.2
	INUTES	FOR	TOROL	IE2 VS	RPM BY	MISSION	SEG S	TEADY.	BY RATE	UF CLIMB	600	, BY	OAT	60	
	LESS		10	20	30	40	50	60	70	80	90	100	110	120	SUM
LESS 190				20		40	,,,	•00	70	90	70	100	110	120	
185 190 195 200 205				0.3	0.3	0.1									0.3 4.8 U.1
SUM				C.3	1.5	1.4									3.2
	MINUTES	FOR	TORQ	UE1 VS	RPM HY	MISSIDN	SEG S	TEADY,	BY RATE	OF CLIMB	500	. BY	JAT	70	
LESS	LESS	5	10	20	30	40	50	60	70	60	90	100	. 110	120	SUM
180 185 190 195 200				0.2	1.5	0.5 0.9	0.1	0.1	0.1	C.1					0.8 2.7 0.1
205 SUM				0.2	1.6	1.4	0.1	0.2	0.1	0.:					3.6
	*INUTES	FOR	TORQU	JES AZ	RPM BY	MISSION	SEG S	TEADY,	BY RATE	UF CLIMB	600	, BY	CAT	<b>7</b> 0	
	LESS		10	20	30	40	50	60	70	03	90	100	110	120	SUM
185 185 190 195 200				0.3	1.5	0.6	0.2	0.1							0.8 2.7 0.1
205 SUM				0.4	1.5	1.3	0.4	0.1							3.6

					TAB	LE XL	IV.	- Cor	tinue	đ					
	MINUTES	FOR	TOR							OF CLIMB	600	. 87	DAT	80	
	LESS		10	20	30	40	50	60	70	80	90	100	110	120	SUM
LESS 180 185 190 195 200 205					0.1 0.8 0.1	0.1	0.5	0.2							0.1 1.6 0.1
SUM					1.0	0-1	0.5	0.2							1.8
	MINUTES	FOR	TORG	WE2 VS	RPM BY	MISSION	SEG S	TEADY.	BY RATE	OF CLIMB	600	, BY	OAT	60	
LESS	LESS		10	. 20	30	40	50	60	70	80	90	100	110	120	SUM
180 185 190 195 200					0.1	0.6		0.2							0.1 1.6 0.1
205 SUM					0.9	0.7		0-2							1.8
	MINUTES	FOR	TORG	OUE1 VS	RPM BY	MISSION	SEG S	TEADY,	BY RATE	OF CLIMB	600,	BY	DAT	90	
	LESS		10	20	30	40	50	60	70	80	90	100	110	120	SUM
LESS 100	)					0.1									0.1
165 190 195 200						0.2	0.1		0-1						0.4
205 SUM						0.3	0.2		0.1						0.6
	MINUTES	FOR	TORG	QUE2 VS	RPM BY	MISSION	SEG S	TEADY.	BY RATE	UF CLIMB	600	. 84	OAT	90	
LESS	LESS		10	20	30	40	50	60	70	80	90	100	110	120	SUM
180 185 190 195 200				0.1	0.2	0.1	0.1		0.1						0.1 0.4 0.1
205 SUM				0.1	0.2	0.1	0.1		0.1						0.6
	MINUTES	FOR	TORG	QUE1 VS	RPM BY	MISSION	SEG S	TEADY,	BY RATE	OF CLIMB	600,	BY	DAT	SUM	
LESS	LESS		10	20	30	40	50	60	70	80	90	100	110	120	SUM
180	ı			0.3	0.3 3.6	0.7		0.1	0.1	C.1					1.3
190 195 200 205				۰۰۹	0.3	2.5 0.1	0.1	0.4	0.1						7.9
SUM				0.3	4.1	3.3	1-2	0.5	0.2	C.1					9.7
	MINUTES	FOR	TORG	OUEZ VS	RPH BY	MISSION	SEG S	TEADY,	BY RATE	OF CLIMB	600	. BY	DAT	SUM	
LESS	LESS		10	20	30	40	50	60	70	80	90	100	1.0	120	SUM
180 185 190 195 200				0.1 0.7 0.2	0.4	0.6 2.5 0.3	0.2	0.3	0.1						1.3 7.9 0.5
205 SUM				1.0	4.4	3.5	0.5	0.3	0.1						9.7

					ΤA	BLE	XLI	V - C	ontin	ued					
	INUTES	FOR	TORQUE	1 VS #	IPM BY	ISSION :	SEG H	015T , F	Y RATE	OF CLIMB	-1200,	87	DAT	80	
LESS 180	LESS		10	20	30	40	50	60	~0	80	90	100	110	120	SUM
165 190 195 200 205						0.1	0.1								0.1
SUM						0.1	0.1								0.1
	MINUTES	FOR	TORQU	E2 VS	RPH BY	MISSIUN	SEG	HUIST,	BY RATE	OF CLIME	-1200	. 8	Y OAT	60	
LESS 180			10	20	30	<b>4</b> 0	50	60	70	80	90	100	110	120	SUP
185 190 195 200 205						0.1	0.1								0-1
SUM						0.1	0.1								0.1
•	MINUTES	FOR	TORQU	E1 VS	RPM BY	MISSION	SEG H	101ST .	BY RATE	UF CLIMB	-1200,	BY	OAT	90	
LESS	LESS		10	20	30	40	50	60	70	80	90	100	110	120	SUM
180 185 190 195 200									0.1						0.1
205 SUM									0.1						0.1
	HINUTES	FOI	TORQU	JE2 VS	RPH BY	MISSION	SEG	HOIST .	BY RATE	OF CLIME	-1200	, 8	Y OAT	90	
	LESS	,	10	20	30	40	50	60	70	80	90	100	110	120	SUM
LESS 180 190 190	3 5 5 5										0.1				0.1
205 SUP											0.1				0.1
	MINUTES	FO	TOROL	JEI VS	RPH BY	MISSION	SEG	HCIST .	BY RATE	OF CLIME	-1200	, BY	OAT	SUM	
	LESS		10	20	30	40	50	60	70	80	90	100	110	120	SUM
LESS 180 185 190 195 200						0.1	0.1		0.1						0.2
205 SUM	3					0.1	0.1		0.1						0.2
,	MINUTES	FOR	TORQUE	EZ VS I	RPM BY	MISSION	SEG +	C15T ,	BY RATE	OF CLIMB	-1200	, 8Y	DAT	SUM	
LESS	LESS		10	20	30	40	50	60	70	80	90	100	110	120	SUM
180 185 190 195 200						0.1	0.1				0.1				0.2
205 SUM						0.1	0.1				0.1				0.2

TABLE XLIV - Continued MINUTES FOR TORQUEL VS RPM BY MISSION SEG HOIST . BY RATE OF CLIMB -900. BY OAT SUM 10 LESS 180 185 190 195 200 205 SUM 0.1 0.1 MINUTES FOR TORQUEZ VS RPM BY MISSION SEG HOIST, BY RATE OF CLIMB -900 . BY OAT SUM 100 60 50 LESS 180 185 190 195 200 205 SUM 0.1 0.1 0.1 0.1 0.1 MINUTES FOR TORQUEL VS RPM BY MISSION SEG HOIST, BY RATE OF CLIMB -900, 10 20 30 40 50 67 70 80 90 100 120 NU2 LESS 180 185 190 195 200 205 SUM 0.1 0.3 0.1 0.1 0.1 0.1 0.1 0.7 MINUTES FOR TORQUEZ VS RPM BY MISSION SEG HOIST, BY RATE OF CLIMB -900 . 80 10 20 30 40 50 60 70 80 90 100 SUM LESS 180 185 190 195 200 205 SUM 0.1 0.1 0.1 0.6 0.1 0.7 MINUTES FOR TORQUEL VS RPM BY MISSION SEG HOIST, BY RATE OF CLIMB -900. BY DAT 90 LESS 10 20 30 40 50 70 100 SUM LESS 180 185 190 195 200 205 SUM 0.1 0.4 MINUTES FOR TORQUEZ VS RPM BY MISSION SEG HOIST, BY RATE UP CLIMB -900 . BY OAT 90 120 50 SUM 10 20 30 40 60 70 80 90 100 110 LESS 180 185 190 195 200 205 SUM 0.1 0.1 0.1 0.2 0.4 0.1 0.1 0.2 0.1

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	INUTES	FOR	TORQUE	1 vs	RPM BY	MISSION	SEC	HU151.	BY RATE	OF CLIMB	-900,	BY	DAT	SUM	
	LESS		10	20	30	40	50	60	70	80	90	100	110	120	SUM
LESS 180 185 190 195 200						0.2	0.4	0.1	0.1	c.:	0.1	0.1			0.3 1.1 0.1
205 SUM						0.2	0.4	0.2	0.4	0-:	0.1	0.1			1.5
	MINUTE	S FO	R TORQU	E2 VS	RPM BY	MISSION	ı ŞEG	HUIST .	BY RATE	E OF GLIM	B <b>-</b> 900	, 8	Y UAT	SUM	
	LES	s	10	20	30	40	50	0 60	70	80	90	100	110	120	SUM
LESS 180 190 190 200	) 5 5					0.1 0.7 0.1	0.								0.3 1.1 0.1
205 SUR						0.8	0.8	2 0.3	0.2						1.5
	HINUTES	S FOR	TORQUE	1 VS	RPM BY	MISSION	SEG	HOIST.	BY RATE	OF CLIMB	-600,	87	DAT	60	
	LES	S	10	20	30	40	50	60	70	60	90	100	110	120	SUM
185 185 190 195 200							0.1								0.1
205 SUM							0.1								0.1
	INUTES	FOR	TORQUE	2 VS	RPM BY	MISSION	SEG	HC15T .	BY RATE	OF CLIMB	-600	, BY	DAT	60	
LESS	LESS		10	20	30	40	50	60	70	80	90	100	110	120	SUM
180 185 190 195 200						0.1									0.1
205 SUM						0.1									0.1
M	INUTES	FOR	TORQUE	l vs	RPM BY	MESSION	SEG	HU151'.	BY RATE	UF CLIMB	-600,	ВУ	OAT	70	
	LESS		10	20	30	40	50	60	70	80	90	100	140	120	Sum
185 190 195 195 200							0.1	0.2	0.1	C.i					0.1
205 SUM							0.1	0.2	0.2	0.1					0.5
M	INUTES	FOR	TORQUE 2	vs i	RPM BY	MISSION	SFG I	HJ157. (	BY HATE	UF CLIMB	-600	ВУ	DAT	70	
LESS	LESS		10	20	30	40	50	60	70	80	90	100	110	120	SUM
180 185 190 195 200						0.2	0.1	0.1	0.1						0.1
205 SUM						0.2	0.1	0.2	0.1						0.5

	MINUTES	FOR	TORQUE	L VS	RPM BY	MISSION	SEG	HUIST .	BY RATE	UF CLIMB	-600,	BY	UAT	80	
LESS	LESS		10	20	30	40	50	60	70	80	40	100	110	120	SUM
180 185 190 195 200						0.1	0.1	0.3	0.3		0.1				0.9
205 SUM						0.1	0.1	0.3	0.4		0.1				0.9
	MINUTES	FOR	TORQUE	2 VS	RPH BY	MISSION	SEG	HCIST,	BY RATE	OF CLIMB	-600	, BY	DAT	80	
LESS			10 .	20	30	40	50	60	70	80	90	100	110	120	SUM
180 185 190 195 200 205						0.2	0.2	0.2 0.1	0.2	0.1					0.9
SUM						0.2	0.2	0.2	0-2	C-1					0.9
	MINUTES	FOR	TORQUE	1 VS	RPM BY	MISSION	SEG	HOIST.	BY RATE	UF CLIMB	-600,	84	DAT	90	
LESS	LESS		10	20	30	40	50	60	70	80	90	100	110	120	SUM
180 185 190 195 200		,					0.1	0.2							0.2
205 SUM							0.1	0.4							0.5
	MINUTE	S FOR	TORQUE	2 VS	RPM BY	MISSION	SEG	HOIST.	BY RAT	E UF CLIMB	-600	. 81	OAT	90	
	LES	S	10	20	30	40	50	60	70	80	90	100	110	120	SUM
LES: 18: 18: 19: 19:	5 5 5					0.1	0.2								0.2
20! SU						0.1	0.3	i.							0.5
	MINUTE	FOR	TORQUE	1 VS	RPM BY	MISSION	SEG	H015T .	BY RAT	E OF CLIMB	-600	. 87	DAT	SUM	
LESS	LES	s	10	20	30	40	50	60	70	80	90	100	110	120	SUM
180 189 190 199	5 5 5 5					0-1	0.1				0.1				0.3 1.7 0.1
20! SUI						0.1	0.3	1.0	0.5	0.1	0.1				2.0
1	MINUTES	FOR	TORQUE	e vs	RPM BY	MISSION	SEG	но151,	BY RATE	OF CLIMB	-600	. 87	UAT	SUM	
LESS	LESS		10	20	30	40	50	60	70	80	90	100	110	120	SUM
180 185 190 195 200						0.7	0.2	0.1 0.3 0.1	0.3	0.1					0.3 1.7 0.1
205 SUM						0.7	0.5	0.4	0.3	C.1					2.0

•	INUTES	FCR	TORQUEL	٧S	RPH BY	MISSION	SEG	HCIST.	RY R	ATE	OF CLIMB	-300,	84	OAT	60	
LESS	LESS		10	20	30	40	50	60		70	80	90	100	110	120	SUM
180 185 190 195 200 205							0.1	0.1			0.1					0.2
SUM							0.1	0.1			C.I					0.2
	MINUTES	FOR	TORQUE	z vs	RPM BY	MISSION	SEG	HOIST.	84	RATE	UF CLIME	-300	, 17	DAT	60	
	LESS		10	20	30	40	50	60	)	70	80	90	100	110	120	SUM
185 190 195 195 200							0.2	2								0.2
205 Sum							0.2	2								0.2
	MINUTES	FOR	TORQUE	vs	RPM 8Y	MISSION	SEG	HGIST,	BY F	RATE	OF CLIMB	-300,	84	OAT	70	
LESS	LESS		10	20	30	40	50	60		70	80	90	100	110	120	SUM
180 185 190 195 200						0.1	0-1			).i	0-+	0.1				0.4
205 SUM						0.1	0.2	0.3	O	. 2	0.4	0.1				1.2
(	MINUTES	FOR	TORQUE	2 VS	RPH BY	MISSION	SEG	HOIST .	BY R	ATE	OF CLIMB	-300	. 87	DAT	70	
LESS	LESS		10	20	30	40	50	60		70	80	90	100	110	120	SUM
180 185 190 195 200			Ċ	0.0	0.1	0.1	0.2				C-i					0.4
205 SUM			(	.0	0.1	0.3	0.5	0.2			0.1					1.2
	MINUTES	FOR	TORQUE	L VS	RPM BY	MISSION	SEG	HCIST.	8 Y F	RATE	OF CLIMB	-300,	87	DAT	80	
LESS	LESS		10	20	30	40	50	60		70	80	90	100	110	120	SUM
180 185 190 195 200			0.1		0.1	0.1	0.5		(	0.2 0.6	0.2	0.1				0.4 3.2 0.2
205 SUM			0.1		0.1	0.2	0.6	1.6	. (	0.8	C.2	0.1				3.6
	"I NUTES	FOR	TORQUE	z vs	RPH BY	MISSION	SEG	HC:57 ,	8.4	RATE	OF CLIME	-300	, BY	DAT	80	
LESS	LESS		10	20	30	40	50	50	•	70	80	90	100	110	120	SUM
180 185 190 195 200				0-1	0.1	0.8	0.1	0.7		0.1						0.4 3.2 0.2
205 5UM			I.	0.1	0.1	0.8	1.7	0.8	1	0.3						3.8

	MINUTE	FOR	TORQ	UE1 VS	RPM SY	MISSION	SEG	H015T .	8Y R	ATE	UF CLIMA	-300.	84	OAT	90	
1666	LES	5	10	20	30	40	50	60		70	80	90	100	110	120	SUM
180 185 190 195					0.1	0.3	0.3	0.3	C	. 2	C.1				٠	1.4
200 205 SUM					0.1	0.3	0.3	0.3	o	- 2	C.1					1.4
	MINUTE	S FOI	t TORO	UE2 VS	RPH BY	MISSION	SEG	H0151 .	8Y 1	RATE	OF CLIMB	-300	. BY	OAT	90	
	LES		10	20	30	40	50			70	80	90	100	110	120	SUM
180 180 190					0.2	0.3	0.2	0.3		2.0	C-1					1.4
200 209 SUP	)				0.2	0.3	0.2	0.3	ć	) <b>.</b> 2	0.1					1.4
	MINUTE	S FOR	TORQ	UE1 VS	RPH BY	MISSION	SEG	H015T .	BY R	ATE	OF CLIMB	-300,	BY	CAT	SUM	
	LES	S	10	20	30	40	50	60		70	80	90	100	110	120	SUM
185 185 190 195 200			0.1		0.2	0.1	0.1	2.0		).3 ).9	C. 9	0.1				0.8 5.5 0.2
205 SUM			0.1		0.2	0.6	1.1	2.3	1	-2	C.9	0.1				6.6
	MINUTE	S FOR	TORQ	UEZ VS	RPH SY	MISSION	SEG	HOIST ,	87 8	AŢE	OF CLIMB	-300	. 87	OAT	SUM	
LESS	LES	s	10	20	30	40	50	60		70	80	90	100	110	120	SUM
185 185 190 195 200				0.1	0.1	0.1	0.3 2.1 0.2	1.1		0.1	0.1					0.8 5.5 0.2
205 SUM				0.1	0.4	1-4	2.6	1.3	c	. 5	C-1					6.6
	MINUTE	S FO	R TORG	NEI VS	RPM BY	MISSION	SEG	HOIST ,	BY	RATE	OF CLIMB	300,	87	OAT	60	
LES		S	10	20	30	40	50	60	)	70	80	90	100	110	120	SUM
180 180 190 200 200	5 5 5				0.1			0.1								0.2
SUI	4				0-1			0.1								0.2
	MINUT	ES FC	R TOR	QUEZ VS	RPH 6	Y MISSIO	SEG	HOIST	. 87	RATI	E UF CLIM	B 300	, 8	TAD Y	60	
LES		\$ \$	10	20	30	40	5	0 6	0	70	60	90	100	110	120	SUM
18 18 19 19 20 20	5 0 5					0-1		0.	ı							0.2
SU						0.1		0.1	1							0.2

	23711411	600	TOROUS	3 ue		MISSION	560	uc111 .	A .	ATE	116	CI THE	300,	BY	DAT	70	
									0, ,		٠,						
LESS	LESS		10	20	30	40	50	٥٥		70		<b>8</b> 0	90	100	110	120	SUM
180 185 190 195 200 205							0.1	0.1	1	0.1							0.3
SUM							0-1	0.1		0.1							0.3
	MINUTES	FOR	TORQUE	E2 VS	RPM BY	MISSION	SEG	HC15T .	84	RATE	OF	CL 14B	300		DAT	70	
LESS			10	20	30	40	50	60		70		●0	90	100	110	120	SUM
180 185 190 195 200					0-1	0.1	0.1	0.1									0.3
205 SUM					0.1	0.1	0.1	0.1									0.3
	MINUTES	FOR	TORQU	El VS	RPH BY	MISSION	SEG	H015T .	84	RATE	OF	CL IMB	300	84	DAT	80	
LESS	LESS		10	20	30	40	50	60		70		60	90	100	110	120	SUM
180 185 190 195 200 205							0.2	0.2				0.1					0.6
SUM							0.2	0.2				C-1					0.6
	MINUTES	E: O.B	***													80	
		1.04	TURUU	ES A2	KPH BY	H12210M	2EC	HOIST .	BY	RATE	UF	CF IMB	300	. BY	DAT	80	
	LESS		10	20	30	40 40	5EG		BY	70	UF	80	90	100	110	120	SUM
LESS 180 185 190 195 200	LESS							60			UF			-			SUM 0.6
180 185 190 195	LESS					40	50	60		70	u+			-			
185 190 195 200 205 SUM	LESS		10	20	30	0.1	0.4	60		70 0.1 0.1		80		100			0.6
180 185 190 195 200 205 SUM	LESS MINUTES LESS		10	20	30	40 0.1 0.1	0.4	60		70 0.1 0.1		80	90	100	110	120	0.6
185 190 195 200 205 SUM	LESS MINUTES LESS		TORQUI	20 E1 VS	30 RPM BY	0-1 0-1 MISSION	0.4 0.4 SEG	<b>ь</b> 0		70 0.1 0.1		80	300.	100 BY	110 OAT	120	0.6
180 185 190 195 200 205 SUM LESS 180 185 190	LESS MINUTES LESS		TORQUI	20 E1 VS	30 RPM BY 30	0-1 0-1 MISSION	0.4 0.4 SEG	<b>ь</b> 0		70 0.1 0.1		80	300.	100 BY	110 OAT	120	0.6 0.6
180 185 195 200 205 SUM LESS 185 195 200 205 SUM	LESS MINUTES LESS	FOR	TORQUI	20 E1 VS 20	30 RPM BY 30 0.1	0-1 0-1 MISSION	50 0.4 0.4 SEG 50	<b>60 60</b>	87	70 0.1 0.1 RATE 70	υF	80 C∟I™8 80	300.	100 BY 100	0AT 110	120	0.6 0.6 SUM 0.1
180 183 190 200 205 SUM LESS 180 185 190 203 SUM	MINUTES LESS	FOR	TORQUI	20 E1 VS 20	30 RPM BY 30 0.1	0-1 0-1 MISSION 40	50 0.4 0.4 SEG 50	MOIS*.	64.	70 0.1 0.1 RATE 70	υF	80 C∟I™8 80	90 300. 90	100 BY 100	0AT 110	90	0.6 0.6 SUM 0.1
180 185 195 200 205 SUM LESS 185 195 200 205 SUM	MINUTES LESS MINUTES LESS	FOR	TORQUI	20 E1 ∨S 20	30 RPM BY 30 0.1	0.1 0.1 MISSION 40	50 0.4 0.4 SEG 50	MOIS*.	64.	70 0.1 0.1 70 RATE	υF	CLIMB BO	90 300. 90	8y 100	OAT 110	90	0.6 0.6 SUM 0.1

					TA	BLEX	LL	V - C	ontin	ued					
	MINUTES	FOR	TORQUE	L VS	RPH BY	MISSION	SEG	HC15.	BY RATE	OF CL	IMB 300	), BY	DAT	SUM	
LESS	LESS		10	20	30	40	50	60	70	00	9.0	100	1.0	120	SUM
190 185 190 195 200 205					0.2		0.2	0.4	0	0.1					1.2
SUM					0.2		0.2	0.4	0.1	C.1					1.2
		FOR				MISSION								SUM	
LESS 180			10	20	30	<b>4</b> 0	50	60	70	80	90	100	110	120	SUM
185 190 195 200 205					0.42	0.3	0.5	0.2	0.1						1.2
SUM					0.2	0.3	0.5	0.2	0.1						1.2
	MINUTES	FOR	TORQUE	1 VS	RPM BY	MISSION	\$ E G	H(151,	BY RATI	UF CL	1#B 600	), ву	OAT	80	
LESS 180 185			10	20	30	40	50	69	70	80	90	100	110	120	SUM
190 195 200								0.1							0.1
205 Sum								0.1							0.1
	MINUTES	FOR	TORQUE	z vs	RPM BY	MISSION	SEG	H0151 .	BY RAT	E UF CL	IMB 60	) . B1	DAT	80	
LESS 180 185	LESS	FOR	TORQUE	<b>2 VS</b> 20	RPM BY	MISSION 40	SEG 50		BY RAT	E UF CL		0 . B1	OAT 110	80 120	SĽM
LESS 180 185 190 195 200	LESS	FOR						60							SUM 0.1
LESS 180 185 190	LESS	FOR					50	60							
LESS 180 185 190 195 200 205 SUM	LESS		10	20	30		0.1	60	70	80	90	100			0.1
LESS 180 185 190 195 200 205 SUM	LESS MINUTES LESS		10	20	30	40	0.1	60 HC157 .	70	80	90	100	110	120	0.1
LESS 180 185 195 200 205 SUM	LESS MINUTES LESS		TORQUE	20 1 VS	30 RPM BY	40	0.1 0.1 SEG	60 HC157 .	70 By Rati	BU	90 IMB 600	100	DAT	90	0.1
LESS 180 185 190 195 200 205 5'JM	LESS MINUTES LESS		TORQUE	20 1 VS	30 RPM BY	40 MISSION 40	0.1 0.1 SEG	60 HC157 .	70 By Rati	BU	90 IMB 600	100	DAT	90	0.1 0.1 SUM
LESS 180 185 190 205 5UM	MINUTES LESS	FOR	TORQUE	20 1 vs 20	30 RPM BY 30	40 MISSION 40 0∙1	0.1 0.1 SEG 50	HC157 .	70 BY RATI	BU E OF CL BO	90 IMB 600 90	100 0. av 100	110 OAT 110	90	0.1 0.1 SUM
LESS 180 195 200 205 5UM	MINUTES LESS MINUTES LESS	FOR	TORQUE	20 1 vs 20	30 RPM BY 30	#ISSION 40 0-1	0.1 0.1 SEG 50	HC15T .	70 BY RATI	BU E OF CL BO	90 90 90	100 0. av 100	110 OAT 110	90 120	0.1 0.1 SUM
LESS 180 185 190 200 205 SUM	MINUTES LESS MINUTES LESS	FOR	TORQUE	20 1 vs 20	30 RPM BY 30	40 MISSION 40 0-1 0-1 MISSION	50 0.1 0.1 SEG 50	HC15T .	BY RATE	BU E OF CL BO	90 90 90	100 0, 8Y 100	DAT 110	90 . 120	0.1 0.1 5UM 0.1

#### TABLE XLIV - Concluded

	MINUTES	FOR TO	RQUEL VS	RPM BY	MISSION	SEG	HOIST,	BY RATE	OF CLIME	600.	87	OAT	SUM	
	LESS	10	20	30	40	50	60	70	AO	90	100	110	130	SUM
185 185 196 195					0.1		0.1							0.2
200 201 SUP	i				0.1		0.1							0.2
,	INUTES	FOR TOR	QUE2 VS	RPH BY	MISSION	SEG	H015T,	BY RATE	OF CLIMB	600	BY	OAT	SUM	
	LESS	10	20	30	40	50	60	70	80	90	100	110	120	SUM
180 185														0.2
190 195 200				0.1		0.1								0.2
205 \$UM				0.1		0.1								0.2
M	INUTES	FOR TOR	QUEL VS	RPM BY	MISSION	SEG	SUM, I	SY RATE	OF CLIMB	SUP,	84	DAT	SUM	
	LESS	10	20	30	40	50	60	70	80	90	100	110	120	SUM
LESS	0.7	1.1	1.3	7.5	6.0	8.2		0.2				***		25.0
180	75.4 222.2	187.5	168.6			95.6 73.1	199.4	76.0	26.1		0.6			01.5
190	3.6	7.5				56.4	16.0	194.9	54.0 1	2.7 0.1	2.1	0.1		25.4 47.6
195	1.8	0.2	0.5	0.5	5.9	,,,,				V			,	8.9
200	0.8	0.3	0.9	1.5	3.5									7.0
SUM	304.4	282.9	742.1 2	2943.9 2	934-1 17	33.3	795.5	273.7	83.2 1	9.5	2.7	0.1	101	15.5
	MINUTES	FOR TO	RQUEZ VS	S RPM BY	MISSION	SEG	SUM,	BY RATE	OF CLIME	SUM	, BY	7.40	SUM	
	LESS	10		30	40	50	60	70	80	90	100	110	120	SUM
LESS		1.7		5.5	2.9	8.5	0.2		-				_	25.0
180		84.1		672.1		298.4	120.5	28.3	8.4	0.2				201.5
185		109.0	636.2	2343.2	124.4	118.8	496.6	133.2	33.4 0.3	2.3				525.4 347.6
195		7.0	0.8	1.3	4.1	2.7	2043	2.7	0.,					8.9
200			0.3	2.4	3.5	0.8								7.0
205														
SUM	109.2	199.3	884.7	3134.7	3460.4 1	480.7	637.6	164.5	41.9	2.5			10	115.5

## TABLE XLV. TIME FOR ENGINE TORQUE 1 VERSUS ENGINE TORQUE 2, SAMPLE II

M	INUTES	FOR TOR	QUE1 V	S TORQUI	E2								
	LESS	10	20	30	40	50	60	70	80	90	100	110	120 SUM
LESS	10.3	12.9	35.8	35.1	7.7	4.4	3.0						109.2
10	25.5	11.8	41.2	60.9	40.0	14.1	4.0	1.7					199.3
20	107.8	80.2	235.3	322.3	113.6	20.4	4.3	0.5	C.3				884.7
30	119.2	129.4	358.7	1550.4	753.2	206.5	16.6	0.5	0.0				3134.6
40	38.4	39.1	61.5		1533.0	693.1	168.2	14.1	1.4				3460.4
50	3.3	7.5	8.5	52.6	430.7	635.5	256.6	62.3	12.8	1.0			1480.7
60		2.0	0.9	1.9	53.3	147.5	284.0	110.8	31.4	5.6	0.2		637.6
70		•••	• • •	•	1.7	11.2	52.8	65.2	27.7	5.7	0.1		164.5
80					•••	0.6	5.9	18.0	9.1	6.8	1.5		41.9
90							0.2	0.7	C. 4	0.2	0.9	0.1	2.5
100							0.12	•••	•••		•••	y	,
110													
120													
SUM	304.4	202.9	742.1	2943.9	2934.1	1733.3	795.5	273.7	83.2	19.5	2.7	0.1	10115.4

# TABLE XLVI. CYCLIC STEADY VERSUS CYCLIC PEAKS BY COLLECTIVE STEADY (MISSION SEGMENT 4), SAMPLE II

	CACFIC	STEACY	VS CY	CLIC PE	KS BY	CULL. S	TEADY	40			
LESS -4C	LëSS	10	20	30	40	50	60	70	80	90	SUM
-3C -2C -1C							1	2			3
10 20 30						1	1				2
4C SUM						1	ž	2			5
TIME	G.	0.	v.	10.2	434.9	696.3	226.0	117.8	16.8	3.8	1501.6

	CACTIC	STEACY	VS CYC	LIC PEA	KS RY CO	LL. ST	EADY	50			
LESS	LESS	10	20	30	40	50	60	70	80	90	SUM
-4C -3C -2C -1C							1	1			2
1 C 2 C 3 C							1				1
4C SUM							2	1			3
TIPE	Ú.	0.	<b>9.</b>	27.8	934.2 1	207.1	133.6	128.5	6.5	0.1 2	437.9

	CACFIC	STEACY	VS CYC	LIC PER	KS RY	COLL. ST	EADY	60			
LESS -4( -3( -2(	LESS	10	20	30	40	50	60	70	e C	90	SUM
-10 10 20 30 40						1					1
SUM						1					1
TIPE	J.	0.	۶.٤	71.7	423.5	309.4	60.1	14.2	0.1	0.	957.7

	TAE	3LE	XLVI	- Conc	lude	d
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	CACFIC	STEACY V	S CYCLI	C PEAK	S RY CO	LL. STE	ADY	70			
LESS -4C -3C -2C -1C	LESS	10	20	30	40	₫C	60	70	ec	90	SUM
-1C 1C 2C 3C 40						3	1				4
SUM						3	1				4
TIME	<b>U</b> •	0.	J.	33.3	8.3	5.0	4.1	2.7	0.1	0.	53.4

# TABLE XLVII. CYCLIC STEADY VERSUS CYCLIC PEAKS BY ALTITUDE (MISSION SEGMENT 4). SAMPLE II

	CYC	LIC STE	ADY VS	CACFIC	PEAKS BY	Y ALT	TUCE L	ESS			
LESS -40 -30 -20	LESS	10	20	30	40	50	60	70	<b>e</b> 0	90	SUM
-10 10 20 30						1					1
4 C SUM						1					1
TIPE	0.	0.	ů.	0.	0.	6.5	18.0	1.7	C+3	n.	26.5

	CYC	LIC STE	ADY VS	CACTIC	PEAK C	Y ALT	ITUCE	1000			
iESS	Le <b>\$</b> S	10	20	30	<b>4</b> 0	50	é C	70	60	90	SUM
-40 -31 -20 -10							ž	1			3
1 C 2 C 3 O						3	1				4
40 SUM						3	3	1			7
TIME	U.	0.	١.	0.	7.4	33.7	91.5	60.7	3.7	0.	198.9

#### TABLE XLVII - Concluded

	CYC	LIC STE	ADY VS	CACFIC	PEAKS BY	ALT	ITUCE	2000			
LESS -4C	LESS	10	20	30	40	50	60	70	80	90	SUM
-4C -3C -2C -1C								2			2
10 20 30						1	2				3
40 SUM						1	î	2			5
TIPE	0.	0.	0.3	100.6	1333.5 174	1.7	301.8	170.6	21.7	3.9 3	674.2

### TABLE XLVIII. CYCLIC STEADY VERSUS CYCLIC PEAKS BY AIRSPEED (MISSION SEGMENT 4), SAMPLE II

	CYCLIC	STEACY	VS CYC	LIC PE	AKS EY	VELO	CITY	LESS			
LESS -40	LESS	10	20 ·	3C	40	5 C	60	70	80	90	SUM
-3C -2C -1C						5	2	3			5
10 20 30 40						,	3				8
SUP						5	5	3			13
TIME	ů.	0.	<b>U</b> •	0.	1.5	56.6	325.3	189.0	25.1	3.9	601.4

### TABLE XLIX. CYCLIC STEADY VERSUS CYCLIC PEAKS BY ROTOR RPM (MISSION SEGMENT 4), SAMPLE II

		CYCLIC	STEACY	٧S	CACFIC	PEAKS	BY RPM	180			
LESS -4C	LESS	10	20	3 C	40	50	60	70	8 C	90	SUP
-3C -2C -1C							1				1
1 C 2 C 3 O						3					3
4C SUM						3	1				4
TTPE	0.	0.	0.3 4	7.9	456.5	397.7	116.2	42.5	1.1	0.	1054.2

### TABLE XLIX - Concluded

			1	ADL	E ALL	X - Cor	iciude	u			
		CYCI	LIC STE	ACY VS	CYCLIC	PEAKS 8	Y RPM	185			
LESS -40 -30	LESS	10	20	30	40	50	60	70	80	90	SUM
-2C -1C							1	2			3
10 20 30						2	3				5
4C SUP						2	4	2			8
TIME	C.	0.	2.	92.2	1266.9	1855.0	292.2	215.8	24.7	3.9	3750.6
						PEAKS B		190			
LESS	LESS	10	20	30	<b>4</b> C	50	60	70	8 C	90	SUM
-4C -3C -2C -1C 1C 2C 3C 4C SUP								. 1		Ē	1
TIPE	٥.	0.	0.	2.8	81.5	76.1	9.1	6.6	0.	0.	176.1
		CYCL	.IC STEA	ICY VS	CYCLIC	PEAKS B	Y RPM	SU4	·		
	LESS	10	20	3 C	40	50	60	70	8 C	90	SUM
LESS -40 -30 -20							2	3			5
-1C						5	3	,			8
2 C 3 C						•	J				3
4C SUP						5	5	3			13

J.3 143.0 1809.f 2324.0 423.1 265.3

TIME

25.7

TABLE L. AIRSPEED ACCELERATION VERSUS CYCLIC PEAKS BY MISSION SEGMENT, SAMPLE II

#### ACCELERATION VS CYCLIC FEAKS BY MISSION SEGMENT ASCENT

	LESS	-15.C	-12.0	-9.C	-6.0	-3.0	3.0	6.0	5.0	12.0	15.0	SUM
LESS												
-4C						18						18
-3C						315	11	1				327
-20						258	7	1				306
-1 C												
10						7						7
2C 3C 40						6						6
3 C												
SUM						644	3.6	2				664

#### ACCELERATION VS CYCLIC PEAKS BY MISSION SEGMENT MANUVR

LESS	LESS	-15.0	-12.0	-9.0	-6.0	-3.0	3.0	6.0	9.0	12.0	15.0	SUM
-4C -3C -2C						1						1
-1C 1C 2C 30 40												
40 SUM						2						2

#### ACCELERATION VS CYCLIC FEAKS BY MISSION SEGMENT CESCNT

	LESS	-15.C	-12.0	-9.0	-6.0	-3.0	3.0	6.0	5.C	12.0	15.C	SUM
LESS -4C						4						4
-3C						24 C	1					241
-20						255	2					297
-1 C												
10						19						19
20 30						12						12
30						1						1
40							-					
SUM						571	3					574

TABLE LI. ROTOR RPM VERSUS CYCLIC PEAKS BY MISSION SEGMENT, SAMPLE II

		RPM VS	CYCLIC	PEAKS	BY	MISSION	SEGMEN	IT AS	CENT
LESS	LESS	180	185	190		195	200	205	SUM
-4C -3C -2C -1C	1	5 77 60	11 229 225	2 2 20 20					18 327 306
1 C 2 C 3 C 4 O		1	6 6						7
SUM	2	143	477	42					664
TIPE	8.4	699.2	2445.4	161.9		2.9	2.5	<b>C</b> .	3320.2
		RPM VS	CYCLIC	PEAKS	вч	MISSION	SEGME	NT MA	NUVR
LESS	LESS	180	185	190		195	200	205	SUM
-40 -30 -20 -10 10 20 30		1	1						1
40 SUM		1	1						2
TIME	0.	1.6	20.5	0.		0.	0.	٥.	22.1
		RPM VS	CYCLIC	FEAKS	ВУ	MISSION	SEGMEN	IT DE	SCNT
LESS	LESS	180	195	190		195	200	205	SUM
-40 -30 -20		1 51 51	3 177 235	13 11					241 297
-1C 1C 20 3C		2	16 12 1	1					19 12 1
40 Sum		105	444	25					574
TIPE	10.5	899.4 2	995.7	176.9		3.1	3.1	0.	4088.7

TABLE LI - Concluded

RPM VS CYCLIC FEAKS BY MISSION SEGMENT STEADY

LESS -4C	LESS	180	185	190	195	200	205	SUM
-30 -20		1	3	1				5
-10 10 20		3	5					6
30 40 Sum		4	e	1				13
TIPE	8.7	1054.2	375ú.6	176.1	3.4	1.6	0.	4994.7

TABLE LII. AIRSPEED VERSUS CYCLIC PEAKS BY MISSION SEGMENT, SAMPLE II

TABLE LII - Conc	luc	led
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VELOCITY VS CYCLIC PEAKS BY MISSION SEGMENT CESCHT

LESS					. •			•			• • • •	•••	• • • •		•••	•••
-4¢ -3¢	1	29	1	21	42 25	36 19	2! 32	19	35 49	30 24	11	2				241 297
-1C -2C	10	21	13	• *	41	1	34	40	• • •	24	•	٠				19
3C	12					_										12
4¢ SUM	78	35	22	30	6 *	56	91	59	84	55	19	3				574
TIPE	571.7	533.4	293.2	317.0	370.	347.5	306.2	425.3	402.8	285.1	170.9	25.9	1.1	0.2	C. 4	8.90
	VEL OC 1	TY VS C	ACL TC .	EAKS EY	MISS	104 SE	MENT ST	FAOY								
	LESS	40	60	65	7C	75	ec	85	10	95	100	105	110	115	120	SUM
LESS -4C																
-30 -20 -10	•															9
10																
3C 4C SUM	13															13
TIPE	601.4	223.6	284.3	471.4	458.1	445.1	559.7	663.4	736.0	420.7	125.2	9.2	2.4	0.	0. 4	994.8
TAF	SI.E	LIII.	CC	T.T.F	СТІ	VE S	STEA	DY	VEE	SUS	COI	LEC	CTIVE	PEA	4 KS	
		~											Γ4),			
								. ,-					,,			
•	COLL.	STEAD	Y VS	COLLE	CTIV	E PEA	KS BY	CYC	IC S	TEADY	. 4	0		•		
	Lé	<b>S</b> S	10	2	c	3C	4	0	50	6	0	70	80	90	)	SUM
LESS -40																
-3C								2	1		1					1
-10									•							•
1 C 2 O								:			1					2
30 40																
SUM								3	1	;	3					7
TIPE	ز	•	0.	<b>.</b>		8.2	434.	e 93	34.3	423.	9	8.3	0.	0.	180	9.5
										•			-	•		
	COLL.	STEAD	Y VS	COLLE	CTIV	E PEA	KS BY	CYCL	.1C S	TEACY	5	0				
	LE	SS	10	2	0	30	4	0	50	6	0	70	80	90		SUM
LESS -4C																
-30								•	4			2				2
-2C									•		•	2				11
1 C 2 C																
3 C																
40 SUM							,	1	4	4		4				13
TIME	O	•	0.	J.	1	26.3	696.	120	7.1	389.4		5.0	0.	0-	232	4 . C
	·	-		-	•	•					•			•		

TABLE LIII - Concluded

•	COLL.STE	DY VS	COLLECT	IVE PEA	KS BY C	YCLIC S	TEACY	60			
	LESS	10	20	30	4.0	<b>5</b> C	60	70	80	90	SUM
-40 -30 -20	C C C				1	28	2 12 29	2			2 15 58
-10 10 20 30					5	4 2	2				12
SUI					10	34	45	2			91
TIME	٥.	0.	<b>3.</b>	5.4	220.0	133.6	6C.1	4.1	0.	0.	423.1
	COLL.STE	DY VS	COLLECTI	VE PEA	KS BY C	YCLIC ST	reacy	70			
LESS -40		10	20	30	40	50	60	70	80	90	SUM
-30 -20 -10					Z	1 14	é 14	3 1			10 31
10 20 30					1	1					4
SUP					6	19	20	4			49
TIME	o.	0.	٥.	2.0	117.8	128.5	14.2	2.7	0.	0.	265.3
	COLL.STE	DY VS	COLLECT	IVE PEA	KS BY C	ACTIC 2.	TEACY	80			
LESS	LESS	10 VS	COLLECT 1	IVE PEA	KS BY C	\$C	TEACY 60	60 70	80	90	SUM
-4( -3( -2( -1(	LESS								80	90	SUM
-4( -3( -2( -1( 1( 2( 3(	LESS					5C	60		80	90	1
-4( -3( -2( -1( 1( 2(	LESS					5C	60		80	90	1
-4( -3( -2( -1( 2( 3( 4(	LESS					1	1		eO 0.	90	1
-4( -3( -2( -1) 2( 3( 4( SUP	LESS 0. Coll.stea	0. DY VS	ZU V• COLLECT I	30 0.2 VE PEA	40 18.6	1 1 2 6.5	60 1 1 0.1	70 0.1 90			1 1 3
-4( -3( -2( -1) 2( 3( 4( SUP	O. COLL.STEA	0.	20	30	40 18.6	1 1 2 6.5	1 1 0.1	70			1 1 3
-46 -36 -20 -10 20 30 SUR TIME LESS -40 -30 -20 -10	LESS COLL.STEA	0. DY VS	ZU V• COLLECT I	30 0.2 VE PEA	40 18.6 KS BY C	5C 1 1 2 6.5 YCLIC ST 50	60 1 1 0.1	70 0.1 90	0.	0.	1 1 3 25.7 SUM
-46 -36 -20 -10 20 30 5UP TIME LESS -40 -30 -20 -10	LESS COLL.STEA	0. DY VS	ZU COLLECT I	30 0.2 VE PEA	40 18.6 KS BY C	5C 1 2 6.5 YCLIC ST	60 1 1 0.1	70 0.1 90	0.	0.	1 1 3 25.7 SUM

TABLE LIV. COLLECTIVE STEADY VERSUS COLLECTIVE PEAKS BY ALTITUDE (MISSION SEGMENT 4), SAMPLE II

	coll.	STEACY	vs co	LLECTIVE	PEAKS	BY ALT	ITUDE	LESS			
LESS -40	LESS	10	ä	:0 3C	4 (	7 5C	60	70	80	90	SUM
-3C -2C -1C						1					1
1C 2C 3C					1	l					1
4C SUM					1	1					2
TIPE	u.	0.	٥.	2.0	22.	1.7	C . 1	0.	c.	0.	26.5

	COLL.	STEACY	VS CO	LECTIVE	PEAKS BY	ALTI	TUDE	1000			
	LESS	10	20	30	40	5 C	60	70	80	90	SUM
LESS -4C -3C -2C -1C						17	1 5 18	4 2			1 9 37
10 20 30 40					5	3	1				10
SUM					7	22	25	6			60
TIME	٥.	0.	0.	13.8	100.4	56.5	14.6	3.7	С.	0.	198.9

	COLL.	STEACY	٧S	CULL	ECTIVE	PEAKS	HY 4L1	TTUDE	2000			
	Lt.SS	13		20	30	40	5 (	: 60	70	80	9(	MU2 C
LESS -4C							1 5	. 1	_			1
-30 -20						1	2	15 15 1 30	3			20
-10												_
10						3 2		?				7
-10 10 20 30 40						_						·
4 C Sum						12	3 (	48	4			102
TIPE	·.	0.		J.	25.2	1087.5	1753.6	769.2	59.4	0.	0.	3674.2

TABLE LV. COLLECTIVE STEADY VERSUS COLLECTIVE PEAKS BY AIRSPEED (MISSION SEGMENT 4), SAMPLE II

	COLL.	STEACY	vs c	GLL ECT	TIVE	PEAKS BY	Y VELO	CITY	LESS			
LESS	LESS	10		23	3 C	40	50	60	70	ê C	90	SUM
-40 -30 -20						1	1 43	2 20 48	7			2 29 96
-1C 1C 2C 3C						9	5	3				17 9
40 SUM		•				15	55	72	10			153
TIME	٥.	0.	J		7.3	320.6	206.8	56.5	8.3	0.	0.	601.4
	CULL.	STEACY	vs c	GLLECT	IVE	PEAKS BY	/ VELO	CITY	40			
LESS -40	LESS	10		20	30	40	5C	6(	70	80	90	SUF
-3C -2C -1C 1C 20 30						1						1
40 SUM						.1						1
TIME	J.	0.	Ü	•	1.4	10.0	122.5	89.7	0.	с.	0.	223.6
	CJLL.	STEACY	vs c	OLLEC1	TIVE	PEAKS BY	Y VELO	CITY	60			
	CJLL. LeSS	STEACY 10	vs c	2C	3 C	PEAKS BY	Y VELO	60 60	60 70	8 C	90	SUM
LESS -4C -3C -2C -1C 1C 2C			VS C							8C	90	SUM 1
-40 -30 -20 -10 10 20 30 40			vs c				5 G			8 C	90	1
-4C -3C -2C -1C 1C 2C 3O 4C SUM	LeSS	10		20	30	<b>4</b> 0	5 C	€0	70			1
-40 -30 -20 -10 10 20 30 40	0.	0.	J	20	3C	<b>40</b>	5C 1 1 188.7	86.5		8C	90	1
-4C -3C -2C -1C 1C 2C 3O 4C SUM	0. CULL.	O. STEACY	J	20	3C 2.C	5.4 PEAKS R	5C 1 1 188.7 Y VELC	86.5 OCITY	1.8 70	0.		1
-4C -3C -2C -1C 2C 3O 5UM	0.	O. STEACY	J	20	3C	<b>40</b>	5C 1 1 188.7	86.5	1.8			1
-4C -3C -2C -1C 2C 3O 4C SUM	0. CULL.	O. STEACY	J	20	3C 2.C	5.4 PEAKS R	5C 1 1 188.7 Y VELC	86.5 OCITY	1.8 70	0.	0.	1 284.3

TABLE LV - Continued

	COLL.	STEACY	vs	COLL	ECTIVE	PEAKS BY	V VELO	CITY	75			
	LE <b>S</b> S	10		20	30	40	50	60	70	80	90	SUM
LESS -40												
-3C -2C						1	1					2
-1C						1						1
2C 30												
40 SUM						?	1					3
TIME	<b>6.</b>	0.		0.	9.8	164.9	176.7	86.9	6.8	0.	0.	445.1
	COLL.	STEACY	٧S	CCLL	ECTIVE	PEAKS BY	Y VELO	CITY	80			
	LESS	10		20	30	40	50	60	70	86	90	SUM
LESS -40												
-3C -2C						1						1
-1C												
20 30												
40 SUM						1						1
TIME	u.	0.		ú.	7.6	309.3	168.3	55.9	18.6	<b>6.</b>	. 0.	559.7
			vs			PEAKS BY			85			
LESS	COLL.	STEACY 10	vs	20	ECT I V E 30	PEAKS BY	VELO 50	60	85 70	60	90	Sum
-4C -3C			vs				50			60	90	
-4C -3C -2C -10			vs							60	90	SUM 2
-4C -3C -2C -10 1C 20			vs				50			<b>e</b> 0	90	
-4C -3C -2C -10 1C			vs				50			•0	90	
-4C -3C -2C -10 1C 20 3C			vs				2			60	90	
-4C -3C -2C -10 1C 20 3C 40							50				90	2
-4C -3C -2C -10 1C 20 3C 40 SUM	LESS	0.		20	2.1	<b>4</b> C	50 2 2 292.0	39.6	70			2
-4C -3C -2C -10 1C 20 3C 40 SUM	LESS	0.		20	2.1	4C 324.7	50 2 2 292.0	39.6	70			2
-4C -3C -2C -10 1C 20 3C 40 SUM TIME	G.	O. STEACY		20 ).	2.1 ECTIVE	4C 324.7 PEAKS BY	50 2 2 292.0 VELO	39.6 CITY	70 5.0 90	0.	0.	2 663.4
-4C -3C -2C -10 1C 20 3C 40 SUM TIME	G.	O. STEACY		20 ).	2.1 ECTIVE	4C 324.7 PEAKS BY	50 2 2 292.0 VELO	39.6 CITY	70 5.0 90	0.	0.	2 663.4
-4C -3C -2C -10 1C 20 3C 40 SUM TIME	G.	O. STEACY		20 ).	2.1 ECTIVE	4C 324.7 PEAKS BY	50 2 292.0 VELOO	39.6 CITY	70 5.0 90	0.	0.	2 663.4 SUM
-4C -3C -2C -10 1C 20 3C 40 SUM TIME VESS -4C -3C -1C 1C 2C 3C	G.	O. STEACY		20 ).	2.1 ECTIVE	4C 324.7 PEAKS BY	50 2 292.0 VELOO	39.6 CITY	70 5.0 90	0.	0.	2 663.4 SUM
-4C -3C -2C -10 1C 20 3C 40 SUM TIME	G.	O. STEACY		20 ).	2.1 ECTIVE	4C 324.7 PEAKS BY	50 2 292.0 VELOO	39.6 CITY	70 5.0 90	0.	0.	2 663.4 SUM

TABLE LV - Concluded

	COLL.	STEACY	٧S	COLLE	CTIVE	PEAKS B	A AEFC	CITY	95			
LESS -40	LESS	10		20	3 C	40	50	60	70	80	90	SUM
-3C -2C -1C							1					1
1C 2C 3C 40 SUM							1					1
TIME	<b>U</b> •	0.		J.	0.	55.9	242.4	114.1	8.3	c.	0.	420.7

TABLE LVI. COLLECTIVE STEADY VERSUS COLLECTIVE PEAKS BY ROTOR RPM (MISSION SEGMENT 4), SAMPLE II

	CULL.	STEACY	٧S	COLLE	CTIVE	PEAKS	RY RE	M	100			
	LESS	10		20	30	40	50	€0	70	eo	90	SUM
LESS -4C -3C -2C -1C		·				1	9	1 2 2	2			1 5 11
10 20 30 40						7	2					9
SUM						8	12	5	2			27
TIME	0.	0.		0.	14.4	312.3	507.4	215.0	5.1	0.	0.	1054.2
	COLL.	STEACY	vs	COLLE	ECT IVE	PEAKS	BY RE	>м	185			
	LēSS	10		20	30	40	5 C	60	70	80	90	SUM
LESS -4C -3C -2C						5	1 36	1 17 44	4 3			1 22 88
-1C 1C 20 30						3 2	3 5	3				9
40 SUM						11	45	65	7			128
TIPE	ů.	٥.		y.	27.5	1126.2	1841.4	709.C	46.5	0.	0.	3750.6

TABLE LVI - Concluded

	COLL.	STEACY	VS COL	LECTIVE	PEAKS	RY R	PM	190			
LESS	LeSS	10	20	3C	4 0	50	60	70	80	90	SUM
-4C -3C -2C -1C					1	4	1 2	1			2 7
1 C 2 C 3 C 4 C 5 U M					i	4	3	1			9
TIME	٥.	0.	).	0.3	60.1	97.3	26.7	1.7	0.	0.	176.1

	COLL.	STEACY	٧S	CCLL	ECTIVE	PEAKS	BY	Kbi	M	SUM			
. 2.22	LESS	10		2C	3 C	43		5 C	60	70	80	9(	D SUM
LESS -40 -30									:	_			2 29
-3C						1		49	45	7			106
-10										_			
10					`	10		5	3				18
-2C -1C 1C 2C 3C 40						.5		C					9
SUM						20		<b>6</b> 1	73	10			164
TIME	v.	0.		J.	42.1	1501.6	2437	. 9	959.7	53.4	0.	0.	4994.8

TABLE LVII. AIRSPEED ACCELERATION VERSUS COLLECTIVE PEAKS BY MISSION SEGMENT, SAMPLE II

#### ACCELERATION VS COLLECTIVE PEAKS BY MISS. SEG. ASCENT

	LESS	-15.C	-12.0	-9.C	-6.C	-3.0	3.0	6.0	5.0	12.0	15.C	SUP
LESS -4C												
-30						2	1					3
-3C -2C						25						25
-10					•	411						
20					2	431 151	1					442 152
1 C 2 C 3 C 4 C						6	•					102
4 C					10.7							
SUM					7	615	11					628

TABLE LVII - Concluded

	ACCELER	ATION V	COLLEC	TIVE PE	AKS BY	MISS. SE	G. PAN	IUVR				
LES	5	-15.0	-12.0	-9.0	-6.C	-3.C	3.0	6.0	9.0	12.0	15.0	SUM
-4( -3( -2( -1) 1( 2( 3( 4)						2						1 2
4 ( 5 U	5 0 H					3						3
	ACCELER	ATION V	S COLLEC	TIVE PE	AKS BY	MISS. SF	G. DES	CNT				
LES -4: -3: -2:	C C	-15.C	-12.0	-9.C	-6.0 4 21 24 5	-3.0 15 110 267 304	3.0	6.0	<b>\$.</b> 0	12.0	15.0	SLP 19 132 291 312
-1 1 2 3	C C					263 56 10	1					263 97 10

### TABLE LVIII. ROTOR RPM VERSUS COLLECTIVE PEAKS BY MISSION SEGMENT, SAMPLE II

57 1065

#### RPM VS COLLECTIVE FEAKS BY MISSION SEGMENT ASCENT

1124

	LESS	180	185	190	195	200	205	SUM
LESS								
-40								
-30			3					3
-20		5	19	1				25
-10								
10		116	310	16				442
20		43	106	2		1		152
30		3	3					6
40								
SUM		167	441	19		1		628
TIME	8.4	699.2	2445.4	161.9	2.9	2.5	0.	3320.2

TABLE LVIII - Concluded

	RPM	VS CCI	LECTIVE	FEAKS	BY MI	SSION SE	GMENT M	ANUVR
	LESS	180	185	190	19	5 200	205	SUM
LESS -4C -3C -2C -1C 10 20 30 40			1 2					1 2
SUM			3					3
TIME	0.	1.6	20.5	0.	0.	0.	0.	22.1
	RPM	vs cci	LECTIVE	FEAKS	BY MI	SSION SE	GMENT DI	ESCNT
LESS -40 -30 -20	LESS 1	180 23 77 64	185 15 105 200 231	190 3 4 12 15	19	5 2CO 1 1	205	SUM 19 132 291 312
-1C 1C 2C 3C 40		61 26 1	190 67 9	10 4		2		263 97 10
SUM	3	252	â <b>17</b>	48		3 1		1124
TIPE	10.5	899.4	2995.7	176.9	3.	1 3.1	C •	4088.7
	RPM	vs cci	LECTIVE	FEAKS	BY MI	SSION SE	SMENT S	TEADY
LESS	LESS	130	185	190	19	5 200	205	SUM
-40 -30 -20 -10		1 5 11	1 22 88	2 7				2 29 106
1 C 2 C 3 C 4 O		9	8					19
SUM		27	123	9				164
TIME	ø.7 1	054.2	3750.6	176.1	3.4	1.6	0.	4994.7

# TABLE LIX. AIRSPEED VERSUS COLLECTIVE PEAKS BY MISSION SEGMENT, SAMPLE II

	VELOCITY	VS	CCLLE	CTIVE	PEAKS	BY MISS	TON SEG	MENT AS	CENT								
	LESS		40	60	65	70	75	80	85	90	95	100	105	110	115	120	SUM
LESS -40																	_
-4C -3C -2C	2		2	2	1 2	•	2	1		1	1						25
-1C 1C 2C 3C	433		79	39	32	45	16	25	23	21	•	3	1				442
20	75		79 32	39 14	10	•	5	3	3	21	3	1					152
40				41	4.5	8.0	49	3.2	24	24		1					628
												20.0		٥.	0-	٥.	
SUP			15 •2 3	55	45 393.4	50 314.4		32 252.8	26 229.4	23 173.6	11 91.4	20.9	1 2.4	0.	0.	0.	62 3320.

	VELOCITY	٧S	CCLL	ECTIVE	FEAKS	87	M155104	SEGM	ENT MAY	UVR								
LESS	LESS		40	50	65		70	75	80	85	90	95	100	105	110	115	120	SUM
-4( -3( -2( -1(				1				1			1							1 2
10 20 30 40																		
SUI	: :			1				ı			1							,
TIME	c.		8.0	U.3	0.6		0.9	1.2	4.2	8.4	5.C	0.6	0.	0.	0.	0.	0.	22.1

	AEFOCIAA	AP CCI	LECTIVE	FEAKS	BY MISSIG	N SEGI	ENT DE	SCNT								
LESS -40	Less 2 15	4: 4 39 122	60 4 16 35	65 3 15 23	7°, 2°, 31	75 2 15 19	1 :	05 12 11	90 1 5	45 1 3 5	100	105	110	115	120	SUM 19 132 291
-20	44	101	29	24	20	22	2.	23	10	10	2					312
-40 -30 -20 -10 20 30 40	14+ 93 10	17	•	17	2.7	2	•	•	10	10	•	1				263 97 10
SUP		284	92	82	96	68	46	52	41	29	11	3				1124
TIME	574.7	533.6	293.2	317.C	370.5	47.5	384.2	425.3	402.8	285.1	128.9	25.9	1.1	0.2	٥.	4088.8

	VELOCITY	VS CCI	LECTIVE	FEAKS	BY 41°5	ION SEG	MENT ST	EADY								
LESS	LeSS	4C	<b>⊕</b> C	65	70	75	80	85	•0	95	100	105	110	119	120	SUM
-40	2	1	1	·	:	ı	1	2	ı	1						29 10e
-30 -20 -10 10 20 30	17					1										18
SUP		1	, 1		1	3	1	2	1	1						164
TIPE	634.4	223.6	284.3	471.6	458.1	445.1	559.7	663.4	730.0	420.7	125.2	9.2	2.4	٥.	c.	4994.8

TABLE LX. GUST  $n_{\rm z}$  PEAKS FOR  $_{\tt U}$  VERSUS  $n_{\rm z}$  BY MISSION SEGMENT, ALTITUDE, AND  $C_{\rm T}/\sigma$ , SAMPLE II

Gu\$	T NZ PE	AKS FOR	MU V	S NZ	BY MIS	SIDN SEG	MENT AS	CENT.	ALTITUDE	1000, CT/S	LESS
	LESS	0.00	0.05	0.10		0.20	0.25	0.30	SUM		
1.3					1				1		
O.8 SUM					1				1		
TIME	4-1	1.0	2-1	3.0	4.0	0.7	0.	0.	14.9		
GUST	T NZ PE	KS FOR	MU V	S NZ	BY MISS	ION SEG	MENT AS	CENT,	ALTITUDE	1000	
1.3	LESS	0.00	0.05	0.10	0.15	0.20	0.25	0.30	SUM		
1.2					1				1		
SUM					1				1		
TIME	85.0	19.0	37.6	56.4	44.5	7.6	0.	0.	250.0		
GUS1	T NZ PE	AKS FOR	MU V	S NZ	BY MISS	SION SEG	MENT AS	CENT,	ALTITUDE	2000, CT/S	0.06
	LESS	0.00	0.05	0.10	0.15	0.20	0.25	0.30	SUM		
1.3	ren				5	5			10		
0.8					3	11			14		
0.6 SUM					8	16			2+		
TIME	71.9	23.6	60.3	249.0	593.7	434-7	2.8	0.	1435.9		
GUS1	T NZ PE	AKS FOR	MU V	S NZ	BY MISS	ION SEG	MENT AS	CENT.	ALTITUDE	2000	
	LESS	0.00	0.05	0.10	0.15	0.20	0.25	0.30	SUM		
1.3					5	5			10		
0.8					3	11			14		
0.6 SUM					8	16			24		
TIME	184-2	44.4	121-6	699.7	1164.6	440.5	2.8	0.	2665.8		
GUST	'NZ PEA	KS FOR	MU VS	NZ :	BY MISS	ION SEG	MENT ASC	ENT,	AL TI TUDE	5000, CT/S	0.06
	LESS	0.00	0.05	0.10	0.15	0.20	0.25	0.30	SUM		
1.3						2			2		
0.8 SUM						2			ž		
TIME	2.4	0.8	1.3	23.0	115.0	135.7	0.1	0.	278.4		
GUST	N7 DFA	KS FOR	MU VS	N2	SZIH YB	ION SEGI	MENT ASC	ENT.	ALTITUDE	5000	
3031	LESS	0.00			0.15		0.25	0.30	SUM		
1.3											
						2					
0.8 SUM						2			2		

GUS	T NZ PE	AKS FOR	MU V	S NZ	BY MISS	ION SEG	MENT AS	CENT			
	LESS	0.00	0.05	0-10	0.15	0.20	0.25	0.30	SUM		
1.3					6	7			13		
0.8					3	11			14		
0.6 SUM					9	18			27		
TIME	284.9	65.3	165.6	824.8	1381.8	594.8	2.9	0-	3320.3		
GUST	NZ PEA	KS FOR	MU VS	NZ	BY MISS	ION SEG	HENT MAI	NUVR,	ALTITUDE	2000, CT/S	0.06
1.3	LESS	0.00	0.05	0.10	0.15	0.20	0.25	0.30	SUM		
1-2					1				1		
0.7						1			1		
SUM					1	1			2		
TIME	0.	0.	0.	0.8	5.4	15.9	0.	0.	22.1		
GUS:	T NZ PE!	IKS FOR	MU V:	S NZ	BY MISS	ION SEG	MENT MA	NUVR,	ALTITUDE	2000	
	LESS	0.00	0.05	0.10	0.15	0.20	0.25	0.30	SUM		
1.3					1				1		
0.8						1			i		
0.6 Sum					1	1			2		
TIME	0.	0.	0.	0.8	5.4	15.9	0.	0.	22.1		
GUS	T NZ PE	AKS FOR	MU V	S NZ	BY MISS	SION SEG	MENT MA	NUVR			
1.3	LESS	0.00	0.05	0.10	0.15	0.20	0.25	0.30	SUM	•	
1.2					1				1		
0.7						1			1		
SUM					1	1			2		
TIME	0.	0.	0.	0.8	5.4	15.9	0.	0.	22.1		
GUS	T NZ PE	AKS FOR	MU V	S NZ	BY MISS	SION SEG	MENT DE	SCNT,	ALTITUDE	1000, CT/S	LESS
	LESS					0.20	0.25	0.30			
1.3					1				i		
8.0 MU2					1				1		

TABLE LX - Continued

GUST	NZ PE	AKS FOR	MU V	S NZ	BY MISS	SION SEG	MENT DE	SCNT.	ALTITUDE	1000, CT/S	0.06
10.10	LESS	0.00	0.05	0.10	0.15	0.20	0.25	0.30	SUM		
1.3					1	3			4		
0.8					1				1		
0.6 SUM					2	3			5		
TIME	53.0	27.0	40.6	57.2	60.1	22.0	1.1	0.	260.9		
1145	33.0	21.0	70.6	7106	90.1	22.0	1.1	0.	200.7		
GUST	NZ PE	AKS FOR	MU V	S NZ	BY MISS	ION SEG	MENT DE	SCNT,	ALTITUDE	1000	
	LESS	0-00	0.05	0.10	0.15	0.20	0.25	0.30	SUM		
1.3					2	3			5		
0.8					i				1		
0.6 SUM					3	3			6		
TIME	74.4	43.1	78.7	93.4	80.4	27.5	1-1	0.	400-6		
				,,,,,							
GUST	NZ PE	AKS FOR	MU Y	S 14Z	BY MISS	ION SEG	MENT DE	SCNT.	ALTITUDE	2000, CT/S	LESS
	LESS	0.00	0.05	0.10	0.15	0.20	0.25	0.30	SUM		
1.3					1				1		
0.8						1			1		
O.4 SUM					1	1			2		
TIME	7.3	5.0	7.3	15.7	19.7	22-6	0.9	0.	78.4		
GUST	NZ PE	KS FOR	MU V	S NZ	BY MISS	ION SEG	MENT DES	SCNT,	ALTITUDE	2000, CT/S	0.06
	LESS	0.00	0.05	0.10	0.15	0.20	0.25	0.30	SUM		
1.4					1	1			2		
1.2					6	16	2		24	•	
0.7					5	15 1			20 i		
0.5 SUM					12	33	2		47		
TIME	92.7	51.8	79.2	171.1			_	0.			
116	74.1	71.0	1706	• • • • • • • • • • • • • • • • • • • •	,,,,,	,,,,,,		••	. 737.60		
GUST	NZ PE	AKS FOR	MU V	S NZ	BY MISS	ION SEG	MENT DE			2000, CT/S	0.09
1.3	LESS	0.00	0.05	0.10	0.15	0.20	0.25	0.30	SUM		
1.2					1				÷		
SUM					1				ì		
TIME	38.9	22.4	74.4	335.6	665.7	52.9	0.	0.	1189.9		

TABLE LX - Continued

GUS	T NZ PE	AKS FOR	HU V	S NZ	BY MIS	SION SE	GMENT DI	ESCNT.	ALTITUDE	2000	
	LESS	0.00	0.05	0.10	0.15	0.20	0.25	0.30	SUM		
1.4					1	1			2		
1.2						16	2		26		
0.7					5	16			21		
0.5						1					
SUM					14	34	2		50		
TIME	138.9	79.2	160.9	522.3	1228.6	1068.7	29.0	0.	3227.7		
GUS	T NZ PE	AKS FOR	MU VS	NZ	BY MISS	ION SEG	MENT DE	SCNT.	ALTITUDE	5000, CT/S	0.06
	LESS	0.00	0.05	0.10	0-13	0.20	0.25	0.30	SUM		
1.3					1	1			2		
0.8					1				1		
7.6 SUM					2	1			3		
TIME	3.6	0.2	0.5	1.7	70.8	264.2	5.4	0.	346.4		
11116	3.0		•••	•••		20402	,,,	•	340.4		
cus	T N7 BE	AKS FOR	MU VS	. NZ		IOM SEC	MEMT OF	SCNT.	ALTITUDE	5000	
603				-						7000	
1.3	LESS	0.00	0.05	0.10	0.15	0.20	0.25	0.30	SUM		
1.2					1	1			2		
0.7					1				i		
SUM					2	1			ذ		
TIME	3.6	0-2	1.8	18-1	130.2	274.7	5.4	0.	434.1		
GUS	T NZ PE	AKS FOR	MU V	S NZ	BY MIS	SION SEC	MENT DI	ESCNT			
	LESS	0.00	0.05	0.10	0.15	0.20	0.25	0.30	SUM		
1.4					1	1			2		
0.8					11	20	2		33		
0.7					7	16			23		
0.5						_			1		
SUM							2		59		
TIME	228.2	125.4	246.2	639.0	1442.1	1372.3	35.6	0.	4088.8		
GUS	T NZ PE	AKS FOR	MU V	S NZ	BY MIS	SION SEC	MENT ST	TEADY,	ALTITUDE	2000, CT/S	LESS
									• • • • •		

TIME 11.7

TABLE LX - Continued

GUS	T NZ PE	AKS FOR	MU 1	VS NZ	BY MIS	SION SEC	MENT ST	EADY, ALTITUDE	2000, CT/S	0.06
1.3	LESS	0.00	0.05	0.10	0.15	0.20	0.25	0.30 SUM		
1.2					2	16		18		
0.8					1			8		
0.5						2		2		
SUM		122.12	- 2		3			28		
TIME	273.2	21.8	2.8	34.8	427.0	1327.6	11.6	O. 2098.8		
GUS	T NZ PEA	KS FOR	MU V		BY MIS	SION SEG	MENT ST	EADY, ALTITUDE	2000	
1.3	LESS	0.00	0.05	0.10	0.15	0.20	0.25	0.30 SUM		
1.2					2	17		19		
0.7					1	7 2		0 2		
0.5 SUM					3	26		29		
TIME	338.0	26.0	23.6	313.4	15/3.6	1390.0	11.6	0. 3666.2		
GUS	T NZ PE	AKS FOR	MU V	S NZ	BY MIS	SION SEG	MENT ST	EADY, ALTITUDE	500C, CT/S	0.06
	LESS	0.00	0.05	0.10	0.15	0.20	0.25	0.30 SUM		
1.3						1		i.		
0.8						1		1		
0.6 SUM						2		2		
TIME	1.2	0.5	1.1	4.3	223.6	686.6	2.6	0. 919.9		
GUS	T NZ PEA	KS FOR	MU V	S NZ	BY MIS	SION SEG	MENT ST	EADY. ALTITUDE	5000	
	LESS	0.00	0.05	0.10	0.15	0.29	0.25	0.30 SUM		
1.3						1		1		
0.8						1		1		
0.6 SUM						2		2		
TIME	1.2	0.5	1.6	3°.2	321.7	728.2	2.6	0. 1095.1		
GUS	T NZ PEA	KS FOR	MU V	S NZ	BY MIS	SION SEG	MENT ST	ADY		
1.3	LESS	0.00	0.05	0.10	0.15	0.20	0.25	0.30 SUM		
1.2					2	16		20		
0.7	•				1	8 2		4		
0.5 SUM					3	28		31		
TIME	509.6	45.1	34.2	353.4		2124.1	15.0			
						_				

## TABLE LX - Concluded

GU:	ST NZ PE	AKS FOR	MU	VS NZ					
	LESS	0.00	0-05	0.10	0.15	0.20	0.25	0.30	SUM
1.4 1.3 1.2 0.8					1 20	45	2		2 67
0.7					11	36 3			47 3
0.5 SUM					32	85	2		119
TIME	1035.1	237.3	446-1	1817.9	4728.8	4107.2	53.5	0- 1	2426.0

TABLE LXI. GUST  $n_{\mathbf{z}}$  PEAKS FOR AIRSPEED VERSUS  $n_{\mathbf{z}}$  BY WEIGHT, ALTITUDE, AND MISSION SEGMENT, SAMPLE II

			PEARS F	A 451 A	ritu uc	NZ B	Y WE[GHT	7 21000	41.77	TUDE	1.100 H	1001.34		DESCNT		
	LESS	40														
1.3	(633	40	•0	45	70	75	80	05	90	95	100	105	110	115	1 20	SU4
0.0							1									ı
SUM							1									1
TIME	11.5	4.5	1.7	1.6	1.6	0.0	1.4	0.4	0.4	0.	0.	0.	0.	0.	0.	23.9
	G	UST NZ	PEAKS FO	DR VELDI	24 VT	NZ BY	r WEIGHT	21000.	ALTI	rune	1000					
	LESS	40	60	45	70	75	80	85	90	95	100	105	110	115	120	F14M
1.3		**	•••	•,	10	.,	_	•,	40	**	100	103	***	447	120	SUM.
0.8 SUM							1									1
TIME	14.3	5.0	2.1	1.6	1.6	0.0	1.6	0.4	0.4	0.	0.	0.	0.	0.	0.	27.8
		w.	PEAKS F	No usion		w	v ustene				2000 #					
							A MEICHL				2000, 4					
1.3	LESS	<b>40</b>	60	65	70	75	•0	85	90	95	100	105	110	115	120	SUM 2
0.8					1	1				1						3
0.6 SUR					1	1			2	1						5
TIME	17.1	14.2	3.5	4.8	7.3	10.5	15.6	14.5	13.0	12.7	11.9	1.6	0.	u.	0.	127.4
								•			,	•	•	••	••	221.14
	G	UST NZ	PEAKS FO	M VELOC	LTY VS	NZ BY	WELGHT	21000,	ALTIT	UDE	2000. 41	SSIUN S	EGMENT	STEADY		
	LESS	40	60	65	70	75	80	85	90	95	100	105	110	115	120	SUM
1.3									1							ı
0.8 SUM									:							1
TIME	11.5	0.	0.1	1.3	4.5	1.1	1.7	11.4	11.2	9.9	1.0	0.	0.	0.	٥.	54.5
	G	UST NZ	PEAKS FI	DR VELO	CITY VS	NZ 81	WE I GHT	21000,	ALTI	TUDE	2000					
	LESS	40	60	45	70	75	80	85	90	95	100	105	110	115	120	SUM
1.3									3							3
0.8					1	1				1						3
0.4 SUM					ı	1			3	1						6
TIME	35.3	19.1	4.6	7.7	12.6	14.8	21.5	30.0	28.0	22.6	13.8	1.6	0.	0.	0.	212.7
	G	UST NZ	PEAKS FO	,												
1.3	LESS	40	60	45	70	75	80	85	90	95	130	105	110	115	120	SUM
1.2							1		3							•
0.7					1	1				1						3
SUM					1	1	1		•	1						7
TIME	50.9	26.1	7.3	9.6	14.3	17.3	25.6	34.4	32.0	26.6	14.8	1.8	0.	0.	0.	260.7
						w1	WEIGHT	22000	AL 111	tune	1000. *1	******	<b>COMENT</b>	ACCE-7		
			PEAKS FO												1 10	
1.3	LESS	40	60	65	70	75	●0	85	90	95	100	105	110	115	120	SUM
0.0					1											1
SUM					1				5		1.2			-		1
TIME	20.4	7.0	1.6	2.0	3.4	1.7	0.0	0.3	0.9	0.3	0.	٥.	0.	0.	0.	38.4

	G	UST NZ	PEAKS F	OR VELO	CITY VS	NZ B	A METCH	23000	ALTI	TUDE	1000, 4	ISSION	SEGMENT	DESCNT		
	LESS	40	60	65	70	75	80	85	90	95	100	105	110	115	120	SUM
1.3							1			1						2
0.7						1										1
SUM						1	1			1						3
TIME	40.2	27.2	7.0	6.4	4.0	7.9	6.4	5.6	3.3	2 2	0.4	v.	0.	0.	0.	121.3
	G	UST NZ	PEAKS F	DR VELDI	CITY VS	NZ B	A MEICHI	23000.	AL TI	TUDE	1000					
	LESS	40	60	65	70	75	60	85	90	95	100	105	110	115	129	SUM
1.3					1		1			1						3
0.8						1										1
0.6 SUM					1	1	1			1						•
TIME	101.7	34.2	9.3	8.5	10.4	10.8	11.3	6.1	6.2	4.1	0.4	0.	0.	0.	0.	203.0
	G	UST NZ	PEAKS F	OR VELO	CITY VS	NZ B	A REICH	23000,	ALTI	TUDE	2000, M	ISSIUN	SEGMENT	ASCENT		
1.3	LESS	40	60	65	70	75	80	85	90	95	100	105	110	115	120	SUM
1.2							1	1	i	1						4
0.7									•	1						2
SUR							1	1	ź	2						•
TIME	42.5	69.2	25.3	35.0	31.2	49.0	54.4	58.2	41.4	16.4	3.7	0.2	0.	0.	0.	426.3
	•	SUST NZ	PEAKS P	OR VELO	CITY VS	NZ E	A MEICH	T 23000	, ALTI	TUDE	2000 . M	ISSION	SEGMENT	DESCHT		
1.4	LESS	SUST NZ 40	PEAKS P	OR VELO	70	NZ 8	90 WEIGH	T 23000	, ALTI 90	TUDE 95	2000 , M	105 105	SEGMENT 110	DESCRT 115	120	SUM
1.4 1.9 1.2						75			90		100				120	1
1.3					70			85	90	95					120	
1.3					70	75	•0	2	1	95	100				120	111
1.9 1.2 0.8 0.7					70 2	75 1	<b>e</b> 0	2 2	90 1	<b>95</b>	100 2 1				120	1 11 7
1.3 1.2 0.0 0.7 0.6 SUM	LESS	40	60	45	70 2 2	75 1	3 3	2 2 4	90 1 •	2	100 2 1 3	105	110	115		1 1 7 19
1.3 1.2 0.0 0.7 0.6 SUM	LESS	57.9	60 31.2	<b>45</b> 35.4	70 2 2 52.4	75 1 1 60.0	3 3 93.3	2 2 4 121-1	90	2 2 68.1	100 2 1 3 36.7	10.5	0.3	0.		1 1 7 19
1.3 1.2 0.0 0.7 0.6 SUM	63.8	40 57.9 SUST NZ	31.2 PEAKS F	45 35.4 OR VELO	70 2 2 52.4	75 1 1 60.0	3 3 93.3	2 2 4 121-1	90 1 4 132-1	95 2 2 88.1	100 2 1 3 36.7	10.5	110 0.3 Segment	O. STEADY	0.	1 1 7 19 802.7
1.9 1.2 0.0 0.0 0.6 SUM TIME	LESS	57.9	60 31.2	<b>45</b> 35.4	70 2 2 52.4	75 1 1 60.0	3 3 93.3	2 2 4 121-1 T 23000-	90 1 4 132-1 90	95 2 88.1 TUDE 95	100 2 1 3 36.7	10.5	0.3	0.		1 11 7 19 802.7
1.9 1.2 0.0 0.7 0.6 SUM TIME	63.8	40 57.9 SUST NZ	31.2 PEAKS F	45 35.4 OR VELO	70 2 2 52.4	75 1 1 60.0	3 3 93.3	2 2 4 121-1	90 1 4 132-1	95 2 2 88.1	100 2 1 3 36.7	10.5	110 0.3 Segment	O. STEADY	0.	1 11 7 19 802.7
1.9 1.2 0.0 0.7 0.6 SUM TIME	63.8	40 57.9 SUST NZ	31.2 PEAKS F	45 35.4 OR VELO	70 2 2 52.4	75 1 1 60.0	3 3 93.3	2 2 4 121-1 T 23000-	90 1 4 132-1 90	95 2 88.1 TUDE 95	100 2 1 3 36.7	10.5	110 0.3 Segment	O. STEADY	0.	1 11 7 19 802.7
1.9 1.2 0.0 0.7 0.6 SUM TIME	63.8	40 57.9 SUST NZ	31.2 PEAKS F	45 35.4 OR VELO	70 2 2 52.4	75 1 1 60.0	3 3 93.3	2 2 4 121-1 T 23000-	90 1 4 132-1 90	95 2 88.1 TUDE 95	100 2 1 3 36.7	10.5	110 0.3 Segment	O. STEADY	0.	1 11 7 19 802-7
1.9 1.2 0.7 0.6 SUM TIME	63.8	97.9 SUST NZ 40	31.2 PEAKS F	45 35.4 OR VELO	70 2 2 52.4	75 1 1 60.0	3 93.3 9 WEIGH	2 2 4 121-1 T 23000. 85 1 2	90 1 4 132-1 ALTI 90 6	95 2 88.1 TUDE 95	100 2 1 3 36.7	10.5	110 0.3 Segment	O. STEADY	0.	1 11 7 19 802.7
1-9 1-2 0-8 0-7 0-6 SUM TIME	e3.e	57.9 SUST NZ 40	31.2 PEAKS F	35.4 OR VELD 65	70 2 52.4 CLTV VS	75 1 1 60.0 NZ 8 75	3 93.3 9 WEIGH	2 2 4 121-1 T 230000 85 1 2 3	90 1 4 132-1 ALTI 90 6	95 2 88.1 TUDE 95 4	100 2 1 3 36.7 2000, M	10.5 10.5 15510N 105	0.3 SEGMENT 110	0. STEADY 115	0.	1 11 7 19 802.7 SUM 11 3 1
1-9 1-2 0-8 0-7 0-6 SUM TIME	1855 83.8 LESS	57.9 SUST NE 40	31.2 PEAKS F 60	35.4 GR VELO 65	70 2 92.4 CITY VS 70	75 1 1 60.0 MZ 8 75	90 3 93.3 9 WEIGH 60 1	2 2 4 121.1 T 23000. 85 1 2 3 125.5	90 1 4 132-1 ALTI 90 5	95 2 88.1 TUDE 95 4	100 2 1 3 36.7 2000, M 100	10.5 10.5 15510N 105	0.3 SEGMENT 110	0. STEADY 115	0.	1 11 7 19 802.7 SUM 11 3 1
1-9 1-2 0-8 0-7 0-6 SUM TIME	1855 83.8 LESS	57.9 SUST NE 40	31.2 PEAKS F 60	35.4 GR VELO 65	70 2 92.4 CITY VS 70	75 1 1 60.0 MZ 8 75	3 93.3 9 WEIGH	2 2 4 121.1 T 23000. 85 1 2 3 125.5	90 1 4 132-1 ALTI 90 5	95 2 88.1 TUDE 95 4	100 2 1 3 36.7 2000, M 100	10-5 (ESSION 105	0.3 SEGMENT 110	0. STEADY 115	0.	1 11 7 19 802.7 SUM 11 3 1 15
1.9 1.2 0.8 0.7 0.5 Sum TIME 1.3 1.2 0.8 0.7 0.5 Sum TIME	03.8 03.8 LESS	57.9 SUST NZ 40 2.2	31.2 PEAKS F 60 7.7	35.4  GR VELD  65	70 2 92.4 CITY VS 70	75 1 1 60.0 NZ 8 75	3 93.3 94.3 95.3 960	2 2 4 121.1 T 23000. 85 1 2 3 125.5	90 1 4 132-1 ALTI 90 6	95 2 88.1 TUDE 95 4	100 2 1 3 36.7 2000, M 100	10.5 10.5 15510N 105	0.3 SEGMENT 110	0. STEADY 115	0.	1 11 7 19 802.7 SUM 11 3 1 15 585.1
1.9 1.2 0.0 0.7 0.6 SUM TIME 1.3 1.2 0.6 0.7 0.5 SUM TIME	03.8 03.8 LESS	57.9 SUST NZ 40 2.2	31.2 PEAKS F 60 7.7	35.4  GR VELD  65	70 2 92.4 CITY VS 70	75 1 1 60.0 NZ 8 75	3 93.3 94.3 95.3 960	2 2 4 121.1 T 23000. 85 1 2 3 125.5	90 1 4 132.1 ALTI 90 6	95 2 88.1 TUDE 95 4	100 2 1 3 36.7 2000, M 100	10-5 (ESSION 105	0.3 SEGMENT 110	0. STEADY 115	0.	1 11 7 19 802.7 SUM 11 3 1 15
1.9 1.2 0.8 0.7 0.6 Sum TIME 1.3 0.8 0.7 1.4 1.3 1.2 0.8 0.7	03.8 03.8 LESS	57.9 SUST NZ 40 2.2	31.2 PEAKS F 60 7.7	35.4  GR VELD  65	70 2 92.4 CITY VS 70	75 1 1 60.0 NZ 8 75	90 4 MEIGH 83*3 43*3 43*3 40	2 2 4 121.1 T 23000. 85 1 2 3 125.5	90 1 4 132-1 ALTI 90 5	95 2 88.1 TUDE 95 4 1 5 90.9	100 2 1 3 36.7 2000, M 100	10-5 (ESSION 105	0.3 SEGMENT 110	0. STEADY 115	0.	1 11 7 19 802.7 SUM 11 3 1 15 565.1
1.9 1.2 0.8 0.7 0.6 SUM TIME 1.3 1.2 0.8 0.7 0.6 0.5 SUM TIME	03.8 03.8 LESS	57.9 SUST NZ 40 2.2	31.2 PEAKS F 60 7.7	35.4  GR VELD  65	70 2 92.4 CITY VS 70	75 1 1 60.0 NZ 8 75	1 83.3  A MEICH,  80  1  7  82.3  A MEICH,  80  90	2 4 121.1 T 23000. 85 1 2 3 125.5 F 23000. 85 4	90 1 4 132-1 ALTI 90 6	95 2 88.1 TUDE 95 4 1 5 90.9	100 2 1 3 36.7 2000, M 100	10-5 (ESSION 105	0.3 SEGMENT 110	0. STEADY 115	0.	1 11 7 19 802-7 SUM 11 3 1 15 585-1
1.9 1.2 0.0 0.7 0.6 SUM TIME 1.3 1.2 0.8 0.7 0.5 SUM TIME	1855 63.8 LESS	57.9 SUST NZ 40 2.2	31.2 PEAKS F 60 7.7	35.4  GR VELD  65	70 2 92.4 CITY VS 70 13.2 CITY VS 70 2	75 1 1 60.0 NZ 8 75	3 3 93.3 WEIGH 80 1 1 83.3 WEIGH 80 1 4 5	2 4 121.1 T 23000. 85 1 2 3 125.5 T 23000. 85 4 4	90 1 4 132-1 90 6	95 2 88.1 TUDE 95 4 1 5 90.4 TUDE 95	100 2 1 3 36.7 2000, M 100	10-5 (ESSION 105	0.3 SEGMENT 110	0. STEADY 115	0.	1 11 7 19 802.7 SUM 11 3 1 15 585.1

		GUST NZ	PEAKS FO	-	CITY VS	NZ R	WEIGH	7 23000	ALTI	TUDE	5000. M	ISSION	SEGMENT	ASCENT		
1.3	LESS	40	60	65	70	75	80	85	90	95	100	105	110	115	120	SUM
1.2								2								2
SUM								2								2
TIME	0.2	3.5	3.2	5.3	8.3	14-2	17.5	18.1	9.2	7.6	1.2	1.6	0.	0.	0.	#9.7
	•	GUST NZ	PEAKS FO	M AEFC	CETY VS	NZ B	Y WEIGH	7 23000,	ALTI	TUDE	5000, M	ISSION	SEGMENT	DESCNT		
1.3	LESS	40	60	65	70	75	80	85	90	95	100	105	110	115	120	SUM
1.2							1									1
0.7						1										1
SUM						1	1									2
TIME	0.	1.1	0.8	1.0	2.3	7.4	22.4	30.6	32.,	23.5	9.2	1.4	0.	0.	0.	132.3
		GUST NZ	PEAKS FO	OR VELO	actty vs	NZ 8	Y WEIGH	T 23000	. 41 [1	TUDE	5000 · V	11551112	SEGMEAT	STEADY		
	LESS			65	70	75	80	85	90	95	100	405	110	115	120	SUM
1.3							1						-		=="	ı
0.8									i							ı
SUM							1		4							2
TIME	0.	0.	0.	0.9	2.8	32.0	55.7	72.8	89.6	32.1	10.0	2.3	2.4	v.	0.	300.7
		GUST NZ	PEAKS FO	R VELC	CITY VS	MZ B		23000,	ALTI		5000					
1.3	LESS	40	60	65	70	75	•0	85	90	95	100	105	110	115	120	SUM
1.2							2	2								4
0.7						1	2	2	•							2
TIME	0.2	A-A	4.0	7.2	13.3	53.6	95.7		131.4	63.1	20.4	5.3	2.4	0.	0.	522.7
1176	•••	7.0	4.0	•••	.,.,	,,,,,	,,,,,					,,,		••	••	.2201
		GUST NZ	PEAKS FO	R VELC	CITY VS	NZ B	Y WEIGHT	23000								
	LESS	40	60	65	70	75	80	85	90	95	100	105	110	115	120	SUM
1.3									i							1
0.8					3	1	•	6	,		2					33
0.7						2	4	4	,	1	1					15
0.5 SUM					3	3		10	13	10	3					<b>5</b> 0
TIME	327.2	172-2	78.3	97.1	120.5	206.7	338.3	432.4	428	262.6	80.0	16.4	2.7	0.	0.	2562.5
	l	GUST NZ	PEAKS FO	R VELC	CITY VS	NZ (B	Y WEIGHT	25000,	ALTI	TUDE	1000. M	1551UN	SEGMENT	DESCAT		
	LESS	40	60	65	70	75	80	65	90	95	100	.05	110	115	120	SUM
1.2					1			1								2
SUM					1			1								2
TIME	50.8	24.4	7.1	6.0	4.9	6.1	3.6	2.6	5.0	1.5	0.	0.	0.	0.	0.	109.2
		GUST NZ	PEAKS FO	R VELO	CITY VS	NZ 8	A METCH	7 25000	AL FI	TUDE	1000					
1.3	LESS	40	60	65	70	75	80	85	90	95	100	105	110	115	120	SUM
1.2					1			1								2
SUM					1			1								2
TIME	152.6	35.5	12.0	11.3	9.8	9.0	5.6	5.5	2.3	1.9	0.	o.	0	0.	0.	245.6

	G	UST NZ	PEAKS F	OH VELO	CITY VS	NZ B	A MEICH	7 25000	ALTI	TUDE	2000.	41531UN	Scoment	ASCENT		
	LESS	40	60	65	70	75	40	85	90	95	100	105	110	115	120	Sur
1.3					1	1	2		:							,
0.8			2					2	V							7
0.6 SUM			2		1	1	2	2	4							12
TIPE	64.6	87.1	45.7	59.3	60.3	90.5	76.3	66.6	50	29.9	7.0	0.3	u.	0.	٥.	537.8
	G	UST NZ	PEAKS F	OR VELO	CITY VS	NZ B	Y WELGHT	25000.	ALTI	TUDE	2000.	ISSIUN	SESMENT	MANUVR		
	LESS	40	.60	65	70	75	80	85	90	95	100	105	110	415	120	SUM
0.8									1							i
0-6 SUM									1							1
TIME	0.	0.	0.	0.	0.	0.3	3.2	6.0	2.7	0.0	0.	0.	u.	0.	0.	12.5
	G	UST NZ	PEAKS F	OR VELO	CITY VS	NZ B	A METCH	25000,	ALTI	TUDE	2000.	ISSION	SEGMENT	DESCNT		
1.4	LESS	40	60	65	70	75	80	85	90	95	100	105	110	115	120	SUM
1.3					1	1 2		2		2	1	2				10
0.8					-	•		-	•	1	2	_				7
0.6										_	ī					i
SUM					1	3		2		3	4	2				19
TIME	87.0	58.0	23.7	29.5	42.6	86.3	117-2	124.3	101.1	78.2	41.4	7.5	0.3	0.	0.	797.2
			PEAKS F					25000.					SEGMENT			
1.3	G LESS	UST N2 40	PEAKS F	OR VELO	CITY VS 70	NZ 8	80	25000. 85	90	95	100	105	SEGMENT 110	STEADY 115	120	SUM
1.2							80 2		<b>9</b> 0	95					120	7
1.2 0.8 0.7 0.6							80		90	95					120	
1.2 0.6 0.7							80 2		<b>9</b> 0	95 2 1					120	7
1.2 0.8 0.7 0.6 0.5						75	80 2		90 3 ,	95 2 1 1					120	7 3 1
1.2 0.8 0.7 0.6 0.5 SUM	LESS	40	60	65	70	75	80 2 1	85	90 3 ,	95 2 1 1	100	105	110	115		7 5 1 13
1.2 0.8 0.7 0.6 0.5 SUM	LESS	40	60	65	70	75	80 2 1	85	90 3 ,	95 2 1 1	100	105	110	115		7 5 1 13
1.2 0.8 0.7 0.6 0.5 SUM	LESS 130.2	6.1	60	11.7	70	75	60 2 1 3 143.9	85	90 3 , 4 206-4	95 2 1 1 4 91.0	100	105	110	115		7 5 1 13
1.2 0.8 0.7 0.6 0.5 SUM	LESS 130.2	6.1	7.7	11.7	43.2	75	60 2 1 3 143.9	200.6	90 3 , 4 206-4	95 2 1 1 4 91.0	100	105	110	115		7 5 1 13
1.2 0.6 0.7 0.6 0.5 SUM	LESS 130.2	8.1 UST NZ	7.7 PEAKS F	11.7 OR VELO	70 43.2 CITY VS	90.4 NZ B	80 2 1 3 143.9	200.6	90 3 , , 4 206.4	95 2 1 4 91.0	32.5	105	0.	0.	0.	7 5 1 13 971.5
1.2 0.8 0.7 0.6 0.5 SUM TIME	LESS 130.2	8.1 UST NZ	7.7 PEAKS F	11.7 OR VELO	43.2 C1TY VS	90.4 NZ B 75	80 2 1 3 143.9 4 WEIGH	200.6 7 25000. 85	90 3 , , 4 206.4	95 2 1 4 91.0	32.5 2000 100	105	0.	0.	0.	7 5 1 13 971.5 SUM 1 22
1.2 0.8 0.7 0.6 0.5 SUM TIME	LESS 130.2	8.1 UST NZ	7.7 PEAKS F: 60	11.7 OR VELO	70 43.2 C11Y VS 70 2	90.4 NZ 8 75	80 2 1 3 143.9 4 WEIGHT	200.6 7 25000, 85	90 3 3 206-4 ALTT 90	95 2 1 1 4 91.0 TUDE 95	32.5 2000 100	105	0.	0.	0.	7 5 1 13 971.5
1.2 0.8 0.7 0.6 0.5 SUM TIME	LESS 130.2 G LESS	6.1 UST NZ 40	7.7 PEAKS F	11.7 OR VELO 65	70 43.2 C1TY VS 70 2	90.4 NZ B 75 1	80 2 1 3 143.9 V WEIGHT 80	200.6 25000. 85 2	90 3 , 4 206-4 ALTI 90	95 2 1 1 4 91.0 7	32.5 2000 100	105	0.	0.	0.	7 3 1 13 971.5 SUM 1 22 20
1.2 0.6 0.7 0.6 0.5 SUM TIME 1.4 1.3 0.8 0.7	LESS 130.2 G LESS	8.1 UST NZ	7.7 PEAKS F	11.7 OR VELO 65	70 43.2 C11Y VS 70 2	90.4 NZ B 75 1	80 2 1 3 143.9 V WEIGHT 80	200.6 25000. 85 2	90 3 , 4 206-4 ALTI 90	95 2 1 1 4 91.0 7	32.5 2000 100	105	0.	0.	0.	7 3 1 13 971.5 SUM 1 22 20 2
1.4 1.3 1.4 1.3 1.2 0.8 0.5 SUM	LESS 130.2 G LESS	6.1 UST NZ 40	7.7 PEAKS F	11.7 OR VELO 65	70 43.2 C1TY VS 70 2	90.4 NZ B 75 1	80 2 1 3 143.9 V WEIGHT 80	200.6 25000. 85 2	90 3 , 4 206-4 ALTI 90	95 2 1 1 4 91.0 7	32.5 2000 100 1	105	0.	0.	0.	7 5 1 13 971.5 SUM 1 22 20 2
1.4 1.3 1.4 1.3 1.2 0.8 0.5 SUM	130.2 G LESS	6.1 UST NZ 40	7.7 PEAKS F	11.7 OR VELO 65	70 43.2 C17Y VS 70 2 2	90.4 NZ B 75 13	80 2 1 3 143.9 4 WEIGHT 80 4 1	200.6 7 25000. 85 2 2 4	90 3 , 4 206 4LTT 90	95 2 1 1 4 91.0 7 199 1	32.5 2000 100 1 2 1 4	105 5.4 105 2 2	0.	0.	0.	7 5 1 13 971.5 SUM 1 22 20 2
1.2 0.6 0.7 0.6 5.5 5.0 7.1 1.4 1.3 0.8 0.6 0.5 5.0 7.1 7.1 7.1	130.2 G LESS	6.1 UST NZ 40	7.7 PEAKS F- 60 2 2 77.1	11.7 OR VELO 65	70 43.2 C17Y VS 70 2 2	90.4 NZ B 75 13	80 2 1 3 143.9 4 WEIGHT 80 4 1	200.6 7 25000. 85 2 2 4	90 3 , 4 206 4LTT 90	95 2 1 1 4 91.0 7 199 1	32.5 2000 100 1 2 1 4	105 5.4 105 2 2	0.	0.	0.	7 3 1 13 971.5 SUM 1 22 20 2 45 2420.3
1.4 1.3 1.2 0.6 0.5 SUM TIME	130.2 G LESS	8.1 UST NZ 40	7.7 PEAKS F: 60 2 2 77.1	11.7 OR VELO 65	70 43.2 C1TY VS 70 2 146.1	90.4 NZ 8 75 1 3	80 2 1 3 143.9 4 1 60 4 1 340.7	200.6 7 25000. 85 2 2 4 397.5	90 3 3 4 206-4 ALTI 90 11 12 201-0	95 2 1 1 4 91.0 7 199 1	32.5 2000 100 1 2 1 4 80.9	105 5.4 105 2 13.2	0. 110 0.3	0. 115	0.	7 3 1 13 971.5 SUM 1 22 20 2 45 2420.3
1.4 0.5 0.7 0.6 0.5 SUM TIME	130.2 G LESS	8.1 UST NZ 40	7.7 PEAKS F: 60 2 2 77.1	11.7 OR VELO 65	70 43.2 C1TY VS 70 2 146.1	90.4 NZ 8 75 1 3	80 2 1 3 143.9 4 1 60 4 1 340.7	200.6 7 25000. 85 2 2 4 397.5	90 3 3 4 206-4 ALTI 90 11 12 201-0	95 2 1 1 4 91.0 7 199 1	32.5 2000 100 1 2 1 4 80.9	105 5.4 105 2 13.2	0. 110 0.3	0. 115	0.	7 3 1 13 971.5 SUM 1 22 20 2 45 2420.3

	c	SUST NZ	PEAKS F	OR VELO	CITY VS	NZ E	WEIGH	T 25000	, ALF1	TUDE	5000					
	LESS	40	60	65	70	75	40	35	40	95	100	109	110	115	120	SUM
1.3										1						1
SUM										1						1
TIME	11.0	10.5	5.5	17.7	33.3	67.6	150.4	141.1	170.5	122.4	25.5	2.0	0.	٥.	0.	757.9
	G	UST NZ	PEAKS FO	OR VELO	CITY VS	NZ 6	Y WEIGHT	25000								
	LESS	40	60	65	70	75	80	85	90	95	100	105	110	115	120	SUM
1.4						1		_		_						1
0.0			_		3	3	•	3	4	5	1	2				25 20
0.7			2				1	2	1.	1	2 1					2
SUM			2		3	4	5	5	15	3	4	2				48
TIME	470.7	200.6	94.6	129.5	189.5	345.7	497.7	544.3	534.1	323.4	106.4	15.3	0.3	0.	n.	3452.0
		UST NE	PEAKS FO	DR VELO			A MEICHL	27000	ALTI	TUDE	2000, 41	SSION	SEGMENT	ASCENT		
1.3	LESS	40	60	65	70	75	80	85	90	95	100	105	110	115	120	SUM
0.8																ı
0.7 0.6 SUM							1	3	1							5
TIME	31.2	32.0	24.3	29.5	31.0	33.2	1 37.5	30.3	26.1	15.4	4.9	0.1	0.	0.		304.3
1176	31.6	71.0	24.3	47.7	31.0	33.2	37.07	30.3	20.1	17.4	***	0.1	٠.	٥.	0.	296.3
	_															
	LESS	40	PEAKS FO	UR VELU	70	NZ B	Y WEIGHT	85	90	95	2000, MI		SEGMENT 110			
1.3	2000	40	••	•,	***	1	●0	•,	70	**	100	105	110	115	120	SUM 1
0.8 SUM						1										
TIME	0.	0.8	0.3	0.6	0.9	0.9	1.0	2.4	2.2	0.6	0.	0.	0.	0.	0.	9.8
	G	UST NZ	PEAKS FO	OR VELO	CITY VS	NZ B	Y WEIGHT	27000	ALTII	TUDE	2000, 41	SSIUN	SEGMENT	DESCNT		
	LESS	40	60	65	70	75	80	85	90	95	100	105	110	115	120	SUM
1.3								1								1
0.8							ı	1	1	1						•
0.6 SUM							1	2	1	1						5
TIME	19.0	12.0	4.1	6.5	9.4	13.6	25.9	36.1	41.7	36.9	12.2	1.6	0.2	0.	0.	219.3
	G	UST NZ	PEAKS F	OR VELO	CITY VS	NZ B	Y WEIGHT	27000	ALTI	TUDE	2000					
	LESS	40	60	65	70	75	60	85	90	95	100	105	110	115	120	SUM
1.3						1		1	1							3
0.7							2	•	s	1						9
0.6 SUM						1	2	5	ذ	1						12
TIME	78.2	45.6	30.2	49.1	46.0	68.5	120.2	150.7	174.4	119.5	41.6	2.0	0.2	0.	0.	926.7

	(	SUST NZ	PEAKS F	OR VELO	CITY VS	NZ B	A MEIGH	r 27000								
	LESS	40	60	65	70	75	80	85	90	45	100	105	110	115	120	SUM
1.3						1		1	i							3
0.8							2	4	2	1						9
O.4 Sum						1	2	5	3	1						12
TIME	126.0	63.2	39.3	62.0	53.8	80.6	140.2	196.5	236.5	159.8	62.6	2.4	0.5	0.2	0.	1225.4
		SUST NZ	PEAKS F	CA VELC	CITY VS	NZ B		33000,		TUDE			SEGMENT			
1.3	LESS	40	60	65	70	75	●0	85	90	95	100	105	110	115	120	SUM
0.0					1											1
SUM		•• •			1					•						1
TIME	9.3	22.4	3.5	4.4	14.6	6.7	2.7	1.0	C-1	0.	0.	0.	0.	0.	٥.	46.6
	G	SUST NZ	PEAKS F	OR VELO	CITY VS	NZ B1	r welght	33000,	ALTI	TUDE	2000					
	LESS	40	60	65	70	75	80	85	90	95	100	105	110	115	120	SUM
1.2					1											1
SUM					1										,	1
TIME	32.6	39.6	7.4	23.4	37.6	21.0	7.3	1.3	0.1	0.	0.	0.	0.	0-	0.	170.6
	G	UST NZ	PEAKS FO	OR VELO	CITY VS	NZ BY	WEIGHT	33000								
	LESS	40	40	45	70	75	80	85	90	43	100	105	110	115	120	SUN
1.3					1											1
O.B SUM					1											1
TIME	51.5	39.9	7.6	23.4	37.6	21.0	7.3	1.3	0.1	0.	0.	0.	0.	0.	0.	189.7
	_									, 						
	LESS	40 40	PEAKS F			NZ BY		40000,	ALTI 90	95			SEGMENT			
1.3	(633	40	•0	45	70	75	●0	85	90	73	100	105	110	115	120	\$UM 1
0.8 SUM				1												1
TIME	16.1	41.7	30.6	40.3	31.0	10.5	6.6	3.6	0.7	0.	0.	0.	0.	0.	0.	103.1
	••••		•		••••	••••				•-		••				
	G	UST NZ	PEAKS F	OR VELO	CITY VS	NZ BY	WEIGHT	40000+	ALTI	TUDE	2000					
1.3	LESS	40	60	65	70	75	80	85	90	95	100	105	110	115	120	SUM
1.2				1												1
SUM				1												1
TIME	99.1	220.0	167.8	183.9	104.0	62.0	33.5	8.6	C.7	0.	0.	0.	0.	0.	0.	880.4
	G	UST NZ	PEAKS F	OR VELO	CITY VS	NZ 64	WE IGHT	40000								
1.3	LESS	40	60	45	70	75	80	85	90	95	100	105	110	115	120	SUM
1.2				1												1
SUM				1												1
TIME	1 800	241.4	176.8	198.3	109.3	68.8	37.0	10.0	1.0	0.	0.	0.	0.	0.	0.	987.7

## TABLE LXI - Concluded

LESS 40 60 65 70 75 80 85 90 95	100 105 110 115 120 SUM
1-4 1-3 1-2 1 7 5 9 10 17 13	3 2 67
0.8 0.7 2 1 3 7 10 1e	
0.5	
SUM 2 1 8 9 16 20 3- 20	

## TABLE LXII. MANEUVER $n_{\rm z}$ PEAKS FOR $_{\rm U}$ VERSUS $n_{\rm z}$ BY MISSION SEGMENT, ALTITUDE, AND $C_{\rm T}/\sigma$ , SAMPLE II

MANEUVER	NZ PE	AKS FOR	MU V	S NZ	BY MISS	ION SEG	MENT AS	CENT,	ALTITUDE	LESS, CT/S	0.00
	LESS	C.00	0.05	0.10	0.15	0.25	0.25	0.30	SUS		
1.3											
1.2 0.8	1								1		
SUM	1								ī		
TIME	6.6	1.1	3.0	1.7	1.9	0.1	0.	0.	14.5		
				-	•						
MANEUVER	NZ PE	AKS FOR	MU V	S NZ	BY MISS	ION SEG	MENT AS	CENT,	ALTITUDE	LESS	
	LESS	0.00	0.05	0.10	0.15	0.20	0.25	0.30	SUM		
1.3	1								1		
0.8											
SUM	1								ι		
TIME	13.3	1.2	5.2	3.5	2.5	1.2	0.	0.	26.4		
											20.00
MANEUVER	NZ PE	AK2 FUR	MU V:	NZ	BA #122	ION SEG	MENT AS	CENT,	ALTITUDE	1000, CT/S	LESS
1.3	LESS	0.00	0.05	0.10	0.15	0.20	0.25	0.30	SUM		
1.2	2	1			1				4		
8.0 MU2	2	1			1				4		
		_			•				-		
TIME	4.1	1.0	2.1	3.0	4.0	0.7	0.	0.	14.4		
MANEUVER	NZ PEA	KS FOR	MU VS	NZ I	BY MISSI	ON SEGN	ENT ASC	ENT,	ALTITUDE	100C, CT/S	0.06
	LESS	0.00	0.05	0.10	0.15	0-20	0.25	0.30	SUM		
1.3							0.27	0.30			
1.2	9	2	2	1	1	1			15		
SUM	9	2	2	1	1	1			1.5		
TIME	36.7	11.6	18.4	25.8	23.3	6.6	0.	0.	122.6		
•											
						•					
MANEUVER	NZ PE	KS FOR	MU VS	NZ	BY MISSI	ION SEGI	HENT AS	CENT,	ALTITUDE	1000	
	LESS	0.00	0.05	0.10	0.15	0.20	0.25	0.30	SUH		
1.3 1.2	11	3	2	1	2	1			20		
0.8											
SUM	11	3	2	Ţ	2	1			20		
TIME	85.0	19.0	37.6	56.4	44.5	7 - 6	0 •	0.	250.0		
MANEUNER	N.T. O.F.	A	M11 1/4		AV MICC	ION CEC	MENT AC	CENT	A) TIT 036	2000 5745	
HANCUVER										2000, CT/S	r£22
1.3	LESS	0.00	0.05	0.10	0.15	0.20	0.45	0.30	Sur		
1.2	2		1						3		
0.8 Sum	2		1						=		
TIME	4.6				9.2	2.4	0.1	0.	26.7		
			747		746		V . A		4 M 4 '		

TABLE LXII - Continued

MANEUV	ER NZ PI	AKS FOR	MU V	S NZ	BY MIS	SION SEC	MENT AS	CENT,	ALTITUDE	2000. CT/S	0.06
	Léss	0.00	0.05	0.10	0.15	0.20	0.25	0.30	SU4		
1.4											
1.3		2	2	17		1 15	1		÷ 51		
0.8	-	-			-						
0.7			1	1	10	15			27		
SUM	17	2	3	9	26	31	1		84		
TIME	71.9	23.6	60.3	249.0	593.7	434.7	2.5	0.	1435.4		
MANEUVE	R NZ PEA	KS FOR	MU VS	N2	22IM YB	ION SEGN	ENT ASC	ENT.	ALTITUDE	2000, CT/S	0.09
	_										
1.3	LESS	0.00	0-05	0.10	0.15	0.20	0.25	0.30	SUM		
1.2 0.8				1	1				ž.		
0.7				1	1				2		
0.6 SUM				2	2						
TIME	107.7	19.6	57.9	144.8	561.6	11.5	0.	0.	1203.2		
MAMELINE		we 500				104 656	ASC	CNT	A. 717.105	2000	
MANEUVE	R NZ PEA		MU VS	MZ	D1 -122	10H 2EG	TENT ASC	ENIT	ALTITUDE	2000	
1.4	LESS	0.00	0.05	0.10	0.15	0.20	0.25	0.30	SU4		
1.3				1	2	1	1		5		
1.2	19	2	3	8	15	15			62		
0.7			1	2	11	15			24		
0.6 Sum	19	2	4	11	28	31	1		95		
								•	2.48 -		
TIME	184.2	44.4	121.6	7446	1104.0	448.5	2.8	0.	2065.5		
MANEUVE	NZ PEA	KS FOR	MU VS	NZ	BY MISS	ION SEGN	ENT ASC	ENT,	ALTITULE	5000, CT/S	0.06
	1500	0.00	0.05		0.15						
1.3	LESS	0.00	0.05	0.10	0.13	0.20	0.25	0.30	SUM		
1.2						2			2	•	
0.8				1	1	1			3		
0.6 Sum				1	1	3			5		
				_							
TIME	2.4	0.8	1-3	23.0	115-0	135.7	0.1	0.	278.4		
MANEUVE	R NZ PE	AKS FOR	MU VS	NZ	BY 415	SION SEG	MENT AS	CENT.	ALTITUDE	5000	
	LESS	C.00	0.05	0.10	0.15	0.20	0.25	0.30	SUM		
1.3						2			ے		
0.8											
0.7				1	1	1			3		
SUM				1	1	3			5		
TIME	2.4	0.8	1.3	65.2	170.2	137.5	0.1	0.	.77.0		

MANEUVER NZ PEAKS FOR MU VS NZ BY MISSION SEGMENT ASCE	MANEUVER	NZ	PEAKS	FOR	MU	٧S	NZ	BY	MISSION	SEGMENT	ASCEN	ľ
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	LESS	0.00	0.05	0.10	0.15	0.20	0.25	0.30	SUM
1.4	31	•	5	1 9	2 17	1 18	1		5 85
0.8					12				32
0.6 SUM	31	5	6	13	31	35	1		123
TIME	284.9	65.3	165.4	824.8	1381.8	594.8	2.9	0.	332C. >

#### MANGUVER NZ PEAKS FOR MU VS NZ BY MISSION SEGMENT MANUVR. ALTITUDE 2000, CT/S 0.06

	LESS	0.00	0.05	0.10	0.15	0.20	0.25	0.30	SUY	
1.4						1			ı.	
1.2					2	- 6			10	
0.8					E	_			2	
0.7					2	3			>	
0.6						1			1	
0.4						•			•	
SUM					4	13		-	17	
TIME	0.	0.	0-	0.8	5.4	15.9	0.	0-	22.1	

#### MANEUVER NZ PEAKS FOR HU VS. NZ BY WISSION SEGMENT MANUVR. ALTITUDE 2000

1.4	LESS	0.00	0.05	0.10	0.15	0.20	0.25	0.30	SUM
1.3					2	1			10
0.8 0.7 0.6					2	3			5
0.5						1			1
SUM					•	13			17
TIME	0.	0.	0.	0.8	5.4	15.9	0.	0.	22.1

#### MANEUVER NZ PEAKS FOR MU VS NZ BY PISSION SEGMENT MANUVR

	LESS	0.00	0.05	0.10	0.15	0.20	0.25	0.30	SUM
1.4					2	1			10
0.8 0.7 0.6					2	3			5
0.5						1			1
SUM					4	13			17
TIME	0.	0.	0.	0.8	5.4	15.9	0.	0.	22-1

MANEUVER	NZ PE	KS FOR	MU VS	NZ	BY MISS	ION SEG	MENT DE	SCNT,	ALTITUDE	LESS, CT/S	0.06
	LESS	0.00	0.05	0.10	0.15	0.20	0.25	0.30	SUM		
1.3						1			1		
0.8 Sum						1			1		
TIME	6.7	1.3	2.3	2.8	2.7	1.3	0.	0.	17.3		
MANEUVER	NZ PE	AKS FOR	MU VS	i NZ	BY MISS	ION SEG	MENT DE	SCNT,	ALTITUDE	LESS	
	LESS	0.00	0.05	0.10	0.15	0.20	0.25	0.30	SUM		
1.3		0.00	0.03	0.10	0.47	1	0.27	0.30	:		
0.8 Sum						1			1		
TIME	9.2	2.9	4.9	5.2	2.9	1.3	0.	0.	26.5		
1.3 1.2 0.8 0.7 0.6 SUM	NZ PER LESS 1 1 53.0	AKS FOR 0.00 1 1 27.0	MU VS 0.05	0-10 57-2	8Y MISS 0.15 3 1 4	ION SEG 0.20 2 2 2	MENT DE 0.25	0.30 0.	ALTITUDE SUM 7 1	1000, CT/S	0.06
MANEUVER	NZ PEA	KS FOR	MU VS	NZ	BY MISS	ION SEGI	MENT DE	SCNT.	ALTITUDE	100C	
	LESS	C.00	0.05	0.10	0.15	0.20	0.25	0.30	SUM		
1.3									_		
1.2	1	1			3	2			7		
0.7					1				1		
0.6 Sum	1	1			4	2			3		
		43.1	78.7	93.4	80.4	27.5	1.1	0.	-OC.6		
MANEUVER	NZ PEA LESS	KS FOR	MU VS	NZ 0-10	0.15	IDN SEGM	ENT DES	SCNT. 0.30	ALTITUDE SUM	2000, CT/S	LESS

TIME

MANEUVER NZ PEAKS FOR MU VS NZ BY MISSION SEGMENT DESCRIT, ALTITUDE 2000, CT/S 0.06

	LESS	0.00	0.05	0.10	0.15	0.20	0.25	0.30	SUM
1.5					1				1
1.3	2				-	1			3
1.2	2			6	28	27	1		64
0.8									
0.7				1	9	28	2		40
0.6						3			3
O.5 SUM	4			7	38	59			11:
JUH	•				30	77	,		111
IME	92.7	51.8	79.2	171.1	541.3	993.2	28.1	0. 1	1957.6

MANEUVER NZ PEAKS FOR MU VS NZ BY MISSION SEGMENT DESCRIT, ALTITUDE 2000, CT/S 0.09

	LESS	0.00	0.05	0.10	0.15	0.20	0.25	0.30	SUM
1.5	1								1
1.3	2				1				3
0.8									
0.6	1								1
SUM	4				1				5
TIME	38.9	22.4	74.4	335.6	665.7	52.9	0.	0.	1189.7

MANEUVER NZ PEAKS FOR MU VS NZ BY MISSION SEGMENT DESCNT, ALTITUDE 2000

	LESS	0.00	0.05	0.10	0.15	0.20	0.25	0.30	SUM
1.5									
1.4	1				1				4
1.3	2					1			3
1.2	4			7	32	28	1		72
0.8	•			•	-		•		
0.7				,	9	29	•		
	_				7	24	2		4 i
0.6	1					3			•
0.5									
SUM	8			8	42	61	3		12.
							-		
TIME	138.9	79.2	160.9	522.3	1228.6	1068-7	29.0	0-	3227.7

MANEUVER NZ PEAKS FOR MU VS NZ BY MISSION SEGMENT DESCRIT, ALTITUDE 5000, CT/S 0.06

	LESS	0.00	0.05	0.10	0.15	0.20	0.25	0.30	SUF
1.3									
1.2					1	1	1		ف
0.8									
0.7					2	4			6
0.6					ı	1			4
0.5						1.5			
SUM					4	6	1		14
TIME	3.6	0.2	0.5	1.7	70.8	264.2	5.4	0.	346

TABLE LXII - Continued

MANEUVER	NZ PE	AKS FOR	MU V	S NZ	BY MISS	ION SEG	MENT DE	SCNT.	ALTITUDE	5000	
	LESS	C.00	0.05	0.10	0.15	0.20	0.25	0.30	SUM		
1.3					1	1	1		5		
0.8											
0.7 0.6					2	1			5 2		
0.5 SUM									• •		
					•	•	1		11		
TIME	3.6	0.2	1.8	18.1	130.2	274.7	5.4	0.	434-1		
MANEUVE	R NZ PE	AKS FOR	MU V	S NZ	BY HIS	SION SEG	MENT DE	SCNT			
	LESS	0.00	0.05	0.10	0.15	0.20	0.25	0.30	SUM		
1.5									•		
1.4	1				1	1			2		
1.2	5	1		7	36	32	2		8,		
0.8 0.7				1	12	33	2		46		
0.6	1			•	ï	4	•				
0.5 Sum	9	1			50	70	4		142		
TIME	228.2	125.4	244.2	439.0	1442.1	1372.3	35.6	0.	4088.8		
1176				•,,,,		.,,,,,	,,,,	••	400000		
MANEUVE	R NZ PE	AKS FOR	MU V	S NZ	BA HIZ	SION SEG	MENT ST	EADY,	ALTITUDE	1000, CT/S	LESS
	LESS	0.00	0.05	0.10	0.15	0.20	0.25	0.30	SUM		
1.3 1.2	2				1				3		
O. B Sum	2				1		•		:		
TIME	7.2	2.1	0.	0.	3.1	0.2	0.	0.	12.6		
1146	***	•••	••	•	,	•••	•	•			
MANEUVE	R NZ PE	AKS FOR	MU V	S NZ	BY MIS	SION SEG	MENT ST	EADY.	ALTITUDE	1000, CT/S	0.06
10-4	LES3	0.00	0.05	0.10	0.15	0.20	0.25	0.30	SUM		
1.4	1								1		
1.2	2								1		
0.6	1								ı		
0.6 SUM									_		
	_										
TIME	125.5	12.6	3.6	0.8	10.9	5.7	0.7	0.	159.9		
MANEUVE	NZ PE	AKS FOR	MU V	S NZ	BY MISS	ION SEG	MENT ST	EADY.	ALTITUDE	1000, CT/S	0.09
	LESS	0.00	0.05	0.10	0.15	0.20	0.25	0.30	SUM		
1.3					_		_	,			
1.2 0.8	1								•		
SUM	1								ı		

MANEUVE	R NZ PE	AKS FOR	MU V	S NZ	BY MISS	SION SEG	MENT ST	EADY,	ALTITUDE	1000	
	LESS	0.00	0.05	0.10	0.15	0.20	0.25	0.30	SUM		
1.4		••••		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,							
1.3	1 5				1				4		
0.4					-						
0.7	1								•		
SUM	7				1				£1		
TIME	152.7	15.5	3.6	0.8	14.0	5.9	0.7	0.	493.2		
HANEUVE	R NZ PE	AKS FOR	MU V	s nz	BY HISS	ION SEG	MENT ST	EADY,	ALTITUDE	2000, CT/S	LESS
= 1	LESS	0.00	0.05	0.10	0.15	0.20	0.25	0.30	SUM		
0.8 0.7						1			1		
0.6						1			1		
SUM						•			•		
TIME	11.7	0.6	0.	0-	0.	9.9	0.	0.	42.2		
MANEUVER			MU VS				MEM! 316		AL TI TUDE	2000, CT/S	0.06
1.3	LESS	0.00	0.05	0.10	0.15	0.20	0.25	0.30	SUM		
1.2	3				1	25			29		
0.6 2.7 0.6	3		1		4	36 2	1		45		
0.5 Sum	•										
			1		5	63	1		76		
TIME	273.2	21.8		34.4			_	0-			
TIME	273.2	21.0	2.8	34.8	5 427.0 1		11.6	0.	76 2098.8		
TIME					427.0 1	327.6	11.6			2000, CT/S	0.09
MANEUVER			2.6		427.0 1	327.6	11.6		2098.8	2000, CT/S	0.09
	NZ PEA	KS FOR	2.8 MU VS	. NZ	427.0 1 By #[55]	1327.6 ION SEGM	11.6 BENT STE	ADY.	2098.8 ALTITUDE	2000, CT/S	0.09
1.3 1.2 0.8	NZ PEA	KS FOR	2.8 MU VS	0.10	427.0 1 BY MISSI 0.15	1327.6 ION SEGM	11.6 BENT STE	ADY.	2098.8 ALTITUDE SUM	200C, CT/S	0.09
1.3 1.2 0.8 0.7 0.6	NZ PEA	KS FOR	2.8 MU VS	. NZ	427.0 1 BY MISS1 0.15	1327.6 ION SEGM	11.6 BENT STE	ADY.	2098.8 ALTITUDE SUM	2000, CT/S	0.09
1.3 1.2 0.8 0.7	NZ PEA	KS FOR	2.8 MU VS	0.10	427.0 1 BY MISSI 0.15	1327.6 ION SEGM	11.6 BENT STE	ADY.	2098.8 ALTITUDE SUM	2000, CT/S	0.09
1.3 1.2 0.8 0.7 0.6	NZ PEA LESS 3	KS FOR	2.8 MU VS 0.05	0.10	427.0 1 BY MISSI 0.15 3	.327.6 ON SEGM 0.20	11.6 DENT STE	ADY. 0.30	2098.8 ALTITUDE SUM 6 3	200C, CT/S	0.09
1.3 1.2 0.8 0.7 0.6 SUM	NZ PEA LESS 3	KS FOR	2.8 MU VS 0.05	0.10	427.0 1 BY MISSI 0-15 3 2	.327.6 ON SEGM 0.20	11.6 DENT STE	ADY. 0.30	2098.8 ALTITUDE SUM 6 3	2000, CT/S	0.09
1.3 1.2 0.8 0.7 0.6 SUM	NZ PEA LESS 3 3 53-1	KS FOR 0.00	2.8 MU VS 0.05	0.10 1 1 278.6	427.0 1 BY MISSI 0.15 3 2 5	327.6 ON SEGM 0.20	11.6 DENT STE 0.25	ADY, 0.30	2098.8 ALTITUDE SUM 6 3	2000, CT/S	0.09
1.3 1.2 0.8 0.7 0.6 SUM	NZ PEA LESS 3 3 53-1	KS FOR 0.00	2.8 MU VS 0.05	0.10 1 1 278.6	427.0 1 BY MISSI 0.15 3 2 5 1136.2	327.6 ON SEGM 0.20	11.6 DENT STE 0.25	ADY, 0.30	2098.8 ALTITUDE SUM 6 3 9		0.09
1.3 1.2 0.8 0.7 0.6 SUM TEME	NZ PEA LESS 3 3 53-1	KS FOR 0.00 3.6	2.8 MU VS 0.05	0.10 1 1 278.6	427.0 1 BY MISSI 0.15 3 2 5 1136.2 BY MISSI	1327.6 ION SEGM 0.20 52.6 ION SEGM 0.20	DENT STE	ADY, 0.30	2098.8  ALTITUDE SUM 6 3 9 1544.9  ALTITUDE SUM		0.09
1.3 1.2 0.8 0.7 0.6 SUM 71 ME	NZ PEA LESS 3 53-1 NZ PEA LESS	KS FOR 0.00 3.6	2.8 MU VS 0.05	0.10 1 1 278.6	427.0 1 BY MISSI 0.15 3 2 5 1136.2	1327.6 ON SEGM 0.20 52.6 ION SEGM 0.20 25	DENT STE	ADY, 0.30	2098.8  ALTITUDE SUM 6 3 9 1544.9		0.09
1.3 1.2 0.8 0.7 0.6 SUM TIME MANEUVER 1.3 1.2 0.8 0.7	NZ PEA LESS 3 3 53-1	KS FOR 0.00 3.6	2.8 MU VS 0.05	0.10 1 1 278.6	427.0 1 BY MISSI 0.15 3 2 5 1136.2 BY MISSI	1327.6 ION SEGM 0.20 52.6 ION SEGM 0.20 25 37	DENT STE	ADY, 0.30	2098.8  ALTITUDE SUM 6 3 9 1544.9  ALTITUDE SUM 3 44		0.09
1.3 1.2 0.8 0.7 0.6 SUM 71 ME	NZ PEA LESS 3 53-1 NZ PEA LESS	KS FOR 0.00 3.6	2.8 MU VS 0.05	0.10 1 1 278.6 5 NZ 0.10	427.0 1 BY MISSI 0.15 3 2 5 1136.2 BY MISSI 0.15	1327.6 ON SEGM 0.20 52.6 ION SEGM 0.20 25	0.25 0.25	ADY, 0.30	2098.8  ALTITUDE SUM 6 3 9 1544.9  ALTITUDE SUM 3 3		0.09

MANEUVER	NZ PE	AKS FOR	MU VS	NZ	BY MISS	ION SEGI	MENT STE	ADY,	ALTITUDE	5000, CT/S	0.06
1.3	LESS	0.00	0.05	0.10	0.15	0.20	0.25	0.30	SUM		
1.2					1	5			Ł		
0.7					2	4			5		
SUM					3	9			12		
TIME	1.2	0.5	1.1	4.3	223.6	686.6	2.6	0.	919.9		

MANEUVER	NZ PEA	KS FOR	MU VS	NZ	BY MISS	ION SEGI	MENT ST	EADY,	ALTITUDE	5000
	LESS	0.00	0.05	0.10	0.15	0.20	0.25	0.30	SUM	
1.3					1	5			6	
0.8					2	4			6	
0.6 SUM					3	9			12	
TIME	1.2	0.5	1.6	39.2	321.7	728.2	2.6	0.	1095.1	

MANEUVER	NZ PE	AKS FJR	MU V	S NZ	BY MIS	SION SEG	MENT ST	EADY	
	LESS	0.00	0.05	0.10	0-15	0.20	0.25	0.30	SUM
1.4									
1.3						•			47
1.2	11				6	30			47
0.8			_	_					_
0.7	4		1	1	8	41	1		56
0.6						Z			2
0.5									
SUM	16		1	1	14	73	1		106
TIME	509.6	45.1	34.2	353.4	1899.4	2124-1	15.0	0.	4980.8

MANEUVER	NZ PE	AKS FOR	MU VS	NZ	BY MISSION	SEGMENT	HOIST,	ALTITUDE	LESS, CT/S	0.06
	LESS	0.00	0.05	0.10	0.15 0	.20 0.2	0.30	SUM		
1.3	1							:		
0.8 SUM	1							1		
		_		•	•		•			

MANEUVER	NZ PEA	KS FOR	MU VS	NZ	BY MISS	DN SEGM	ENT HO	oist.	ALTITUDE	LESS
1.3	LESS	0.00	0.05	0.10	0.15	0.20	0.25	0.30	SUM	
1.2	1								•	
SUM	1								:	
TIME	0.3	0.	0.	0.	0.	0.	0.	0.	0.3	

```
MANEUVER NZ PEAKS FOR MU VS MZ BY MISSION SEGMENT HOIST, ALTITUDE
                                                                                     1000, CT/S LESS
   1.5
   1.4
1.3
1.2
0.8
0.7
0.6
SUM
                                                                               4
             2
                                                                              2
            12
  TIME
                   0.1
                           0.
MANEUVER NZ PEAKS FOR MU VS NZ BY MISSION SEGMENT HOIST, ALTITUDE
                                                                                      100C, CT/S 0.06
          LESS
                  0.00
                           0.05
                                   0.10 0.15
                                                   0.20
                                                           0.25
    1.6
1.5
1.4
1.3
1.2
0.8
0.7
              19
                                                                              10
                                                                               5
              5
    0.6
             19
                                                                              20
   TIME
                                    0-
           3.0
                   0.5
                            0.
MANEUVER NZ PEAKS FOR MU VS NZ BY MISSION SEGMENT MOIST, ALTITUDE
                                                                                      1000, CT/S 0.09
          LESS
                  0.00
                          0-05
                                  0.10
                                           0.15
                                                  0.20
                                                           0.25
   1.3
1.2
0.8
0.7
0.6
SUM
                                                                               4
                                                                              3
                                                                             12
            11
                     1
  TIME
                   0.1
MANEUVER NZ PEAKS FOR
                          MU VS NZ BY MISSION SEGMENT HOIST. ALTITUDE
                                                                                      1000
   1.6
1.5
1.4
1.3
1.2
0.8
0.7
0.6
0.5
SUM
                                                                               1
                                                                               3
                                                                              23
            25
            10
                                                                              10
MANEUVER NZ PEAKS FOR
                          MU VS NZ BY MISSION SEGMENT HOIST, ALTITUDE
                                                                                     2000, CT/S LESS
          LESS
                  0.00
                          0.05
   1.3
1.2
0.8
SUM
             4
```

0. 5

TIME

MANEUVER NZ PEAKS FOR MU VS NZ BY MISSION SEGMENT HOIST, ALTITUDE 2000, CT/S 0.06

	LESS	0.00	0.05	0.10	0.15	0.20	0.25	0.30	SUM
1.0									
1.7		1							
1.6	1								1
1.4	2								2
1.3	4								4
1.2	16								18
0.3	8	1							9
0.6	-								
SUM	33	2							35
TIME	5.0	0.4	0.	0.	0.	0.	0.	0.	5.+

MANEUVER HZ PEAKS FOR MU VS NZ BY MISSION SEGMENT HOIST, ALTITUDE 2000, CT/S C.09

• 2.	LESS	0.00	0.05	0.10	0.15	0.20	0.25	0.30	SUM
1.6	1								1
1.4	2								5
1.2	14	3							17
0.7	4								4
0.5	1								1
SUM	23	3							26
TIME	1.3	0.4	0.	0.	0.	0.	0.	0.	1.7

MANEUVER NZ PEAKS FOR MU VS NZ BY MISSION SEGMENT HOIST, ALTITUDE 2000

	LESS	C.00	0.05	0.10	0.15	0.20	0.25	0.30	SUM	
1.8										
1.7		1							1	
1.6										
1.5	2								2	
1.4	3								د	
1.3	6								6	
1-2	36	3							3 /	
0.8										
0.7	15	1							13	
0.6										
0.5	1								÷	
0.4										
SUM	60	5							65	
TIME	7.1	0.8	0.	0.	0.	0.	0.	U.	0.8	

## TABLE LXII - Concluded

MANEUVER NZ	PEAKS	FOR	MU	٧S	NZ	BY	MISSION	SEGMENT	HOIST
-------------	-------	-----	----	----	----	----	---------	---------	-------

	LESS	0.00	0.05	0.10	0.15	0.20	0.25	0.30	SUM
1.8									
1.7		1							:
1.6									
1.5	3								3
1.4	6								6 B
1.3	8								a
1.2	62	6							60
0.8									
0.7	22	1							23
0.6	1								1
0.5	1								1
0.4									
SUM	103	8							111
TIME	12.4	1.5	٥.	٥.	0.	٥.	0.	0.	14.0

#### MANEUVER NZ PEAKS FOR MU VS NZ

	LESS	0.00	0.05	0.10	0.15	0.20	0.25	0.30	SUM
1.8									
1.7		1							1
1.6		-						•	-
1.5	3								
1.4	÷.								,
				_					
1.3	11			1	2	3	1		18
1.2	109	12	5	16	61	88	2		293
0.8									
0.7	26	1	2	5	34	93	3		164
0.6	2	_	_	-	1	4	•		9
					•	Ţ			
0.5	I		•			1			2
0.4									
SUM	159	14	7	22	99	191	6		496
TIME	1035.1	237.3	446.1	1817.9	4728.8	4107.2	53.5	0. l	2426.0

# TABLE LXIII. MANEUVER $n_{\rm z}$ PEAKS FOR AIRSPEED VERSUS $n_{\rm z}$ BY WEIGHT, ALTITUDE AND MISSION SEGMENT, SAMPLE II

	MANEUN	ren nz f	EAKS FOR	VELO	CITY VS	NZ BY	WEIGHT	21000,	ALTIT	UDE	1000, M	ESSION	SEGMENT	DESCRIT		
	LESS	40	60	65	70	75	80	85	90	95	100	105	110	115	120	SUM
1.3							1									1
8.0 MU2							1									1
TIME	11.5	4.5	1.7	1.6	1.6	0.8	1.4	0.4	0.4	0.	0.	0.	0.	0.	0.	23.9
	MAMEIN	VER NJ 1	PEAKS FOI	VELO	vc	NZ BY	WEIGHT	21.000.	ALTI	THOS	1000 - M	155104	SEGMENT	HOIST		
	LESS	40	60	65	70	75	80	85	90	95	100	105	110	115	120	NUZ
1.3	1	***	•••	•		••	•••	•••					•••	•••	•••	1
0.8 SUM	1															1
TIME	0.1	0.	0.	0.	0.	0.	٥.	0.	c.	0.	0.	0.	υ.	<b>u</b> .	0.	0.1
	•••	••	••	•	••	••	•••	••	••	••	•	•	-	••	••	
	MANEU	VER NZ	PEAKS FOR	VELO	CITY VS	NZ BY	METCHL	21000,	ALTII	UDE	1000					
1.3	LESS	40	60	45	70	75	80	45	90	95	100	105	110	115	120	SUM
1.2	1						1									2
SUM	1						1									2
TIME	14.3	5.0	2.1	1.6	1.6	0.8	1.6	0.4	0.4	0.	0.	0.	0.	0.	0.	27.0
	MANEU	VER NZ I	PEAKS FOI	. VELD	CITY VS	NZ BY	WEIGHT	21000.	ALTE	TUDE	2000 · M	155IUN	SEGMENT	DESCNT		
	LESS	40	60	65	70	75	80	85	90	95	100	105	110	115	120	SUM
1.3					2	-	1,7	1				1				4
0.8									1	1	1	1				•
0-6 SUM					2			1		1	1	2				8
TIME	17.1	14.2	3.5	4.5	7.3	10.5	15.6	14.5	43.n	12.7	11.9	1.6	0.	0.	0.	127.4
	MANEU	VER NŽ I	PEAKS FOR	VELO	CITY VS	NZ BY	WEIGHT	21000.	ALTEI	TUDE	2000 , M	ISSION	SEGMENT	STEADY		
0.8	LESS	40	60	65	70	75	80	65	90	95	100	105	110	115	120	SUM
0.7								1	•							2
SUM								1								2
TIPE	11.5	0.	0.1	1.3	4.5	1.1	1.7	11.4	11	9.9	1.8	0.	0.	0.	0.	44.5
	MANEIN	VER NZ S	EAKS FOR	VELO	CITY VS	NZ NY	WEIGHT	21000.	ALTEI	IUDE	2000, 4	ISSIUN	SEGMENT	T210H		
	LESS	40	60	65	70	75	ėΟ	85	90	95	100	105	110	115	1 20	SUM
1.3	3	70	7.	•	• -											3
0.8 SUM	3															3
TIME	0.4	0.	0.	0.	0.	0.	0.	0.	c.	0.	0.	0.	0.	0.	٥.	0.4

	MANEU	VER NZ	PEAKS FO	M AEFO	CITY VS	NZ B	A REICHA	51000	AL I	TUUF	2000					
	LESS	40	60	45	70	75	80	85	90	95	100	105	110	115	120	SUM
1.3	3				2			1				1				7
0.8								1	2	1	1	1				6
0.6																
SUM	3				2			2	2	1	1	2				13
TIME	35.3	19.1	4.6	7.7	12.6	14.6	21.5	30.0	28.0	22.0	13.0	1.0	0.	0.	0.	212.7
	MANEUS	VER NZ I	PEAKS FO	AETO	CITY VS	MZ 87	RETONL	21000,	ALTIT	UDE	5000 . N	SSIUM S	EGMENT	ASCENT		
	LESS	40	60	65	70	75	•	05	90	95	100	105	140	115	120	SUM
0.0									1							1
0.4 SUM									1							1
	•					0.8	0.1		0.4	1.4		٥.	0.	•	0.	5.7
TIME	0.	1.6	0.6	0.3	0.1	0.0	0.1	0.	V. •	1.4	0.3	J.	0.	0.	0.	3.7
	MANEUT	VER NZ	PEAKS FO	N VELO	CITY VS	NZ 87	METCHL	21000.	ALTIT	UDE	5000					
	LESS	40	60	65	70	75	80	85	90	95	100	105	110	115	120	SUM
0.6		•	•	••		15	1400	• • •		•••	•	•••				
0.6																1
SUM									1							1
TIME	0.	1.6	0.6	0.3	0.1	1.7	2.4	3.3	3.0	3.7	1.0	0.5	0.	0.	0.	19.6
	MANEU	VER NZ	PEAKS FO	R VELD	CITY VS	MZ BY	METCHE	21000								
	LESS	40	60	45	70	75	80	85	90	95	100	105	110	115	120	SUM
1.3	4				2		1	1				1				•
0.0								1	3	1	1	1				7
0.6 SUM	4				2		1	2	,	1	1	2				15
		24 1		• •									•		•	
TIME	50.9	26.1	7.3	4.6	14.3	17.3	25.6	34.4	22.0	20.6	14.8	1.4	0.	0.	0.	260.7
	MANEU	VER NZ	PEAKS FO	. VELD	CITY VS	NZ 81	WE   GHT	23000,	ALTIT	UDE	LESS. H	ISSION S	EGMENT	DESCRI		
	LESS	40	60	45	70	75	80	05	90	95	100	105	110	115	120	SUM
1.3							ı									
0.0																1
SUM							1									1
TIME	6.2	3.2	0.2	0.4	0.1	0.4	0.3	0.	c.	٥.	٥.	0.	0.	0.	0.	10.7
	MAMEIM	us		VE: 0	-17v uc		MEIRUT	33000	41 ***	UDS	1666		CHEST	401.		
			PEAKS FO				METCHL		ALTIT		LESS, MI			HOLST		
1.3	LESS	40	60	65	70	75	80	85	90	95	100	105	110	115	150	SUM
1.2	1															1
SUM	1															
																ı

	MAMEL	VER MZ	PEAKS FO	M AEFO	L'TY VS	NZ BY	WEIGHT	23000.	ALTI	TUDE	LESS					
1.3	LESS	40	●0	45	70	75	80	85	90	95	100	105	110	115	120	SUM
1.2	ı.						1									2
SUM	1						1									2
TIME	13.0	4.2	0.8	0.4	0.1	0.4	0.3	u.	0.	0.	0.	0.	0.	0.	٥.	19.4
	MANEU	VER 42	PEAKS FO	-	CITY VS	NZ 81	r welght	23000,	ALTE	TUDE	1000.	IESSION	SEGMENT	ASCENT		
	LESS	40	60	65	70	75	80	85	90	95	100	105	110	115	120	SUM
1.3	•			1					1							10
0.8 SUM				1					1							10
TIME	20.4	7.0	1.4	2.0	3.4	1.7	0.0	0.3	0.9	0.3	0.	0.	0.	0.	0.	70.4
	1177		PEAKS FO				MEIGHT		ALFEI				SEGMENT			
1.3	LESS	40	40	45	70	75	80	05	90	95	100	105	110	115	120	SUM
1.2	1		1	1				1								•
SUM	1		1	1				1								4
TIME	40.2	27.2	7.6	6.4	4.0	7.9	6.4	5.4	3.3	2.2	0.4	0.	0.	0.	0.	121.3
	MA MATIN	40 W2 I	PEAKS FOR	. usi 00		MZ 8Y	WE I GHT	23000	ALTIT		10 <b>0</b> 0. MI	ee inn	tecment	CTCARW		
	LESS	40	40	45	70	75	00	85	90	•5	100	105	110	115	120	SUM
1.3		40	•••	•,	,,	•	1	•,	•	**				•••		
0.0	2															3
SUM	2		_				1				_		_			3
TIPE	30.7	0.	0.	0.1	1.0	1.2	4.1	0.2	2.0	1.4	٥.	0.	0.	0.	0.	40.9
	MANEUV	ER NZ I	PEAKS FOR	VELOC	IT: VS	NZ BY	MEIGHT	23000.	ALFIT	UDE	1000, 41	SSION :	SEGMENT	HOIST		
	LESS	40	40	45	70	75	80	85	•0	95	100	105	110	115	120	\$UM
1.5	2															2
1.3	12															12
0.8	•															
0.6	1															1
SUM	50															50
TIME	2.4	0.	0.	0.	0.	0.	0.	0.	C.	0.	0.	0.	0.	0.	0.	2.4
	MANEUV	ER NZ 1	PEAKS FOR	VELOC	LTY VS	WZ BY	we LGHT	23000.	ALTIT	UDE .	1000					
	LESS	40	60	65	70	75	80	a 5	90	95	100	105	110	115	120	SUM
1.5	2															
1.3	23		1	2			1	1	:							2 1 29
0.8	•		-	-			-	-	-							•
0.6	ĭ															ī
SUM	31		1	2			1	1								37

	MANEL	MEN HS	PEAKS F	OU AETO	CITY VS	MZ 0	A MEICH	7 23000	ALT	TUDE	2000.	115510N	SEGMENT	ASCENT		
1.4	LESS	40	60	45	70	75	00	65	•0	95	101	105	110	115	120	SUM
1.3	15	2			2	2	1	1 2		1			•			25
0.0	-					1	1			1						٠
0.6 SUM	15	2			2	3	2	•	3	2						33
TIME	42.5	49.2	25.3	35.0	31.2	49.0	54.4	50.2	41.2	16.4	3.7	0.2	0.	0.	٥.	426.3
	MANEU	IVER NZ	PEAKS F	CR VELO	CITY VS	42 6	A METCHI	23000	ALTI	TUDE	2000.	15510N	SEGMENT	DE SCNT		
1.5	LESS	40	60	45	70	75	•0	85	90	95	100	105	110	115	120	SUM
1.4						1		1								1
1.2	1	3	2	3	•	7	•	,	,	,	1					35
0.7		1					5	3	2	3		1	1			10
SUM	1	•	2	2	4	•	11	7	•	•	1	1	1			54
TIME	43.6	57.9	31.2	35.4	52.4	60.0	93.3	121.1	132	00·j	36.7	10.5	0.3	0.	0.	802.7
	MANEU	VFR N2 1	PEARS F	DR VELDO	:177 VS	N2 81	THE LEM	23000.	ALTE	fune	2000 a M	15510m S	LEGMENT	STEADY		
	LESS	40	60	45	70	75	80	85	90	95	100	109	110	115	120	SUM
1.3							ı	2	4	4	2					11
0.4	2					2	1	3	•	7	1					22
0.5											2					2
SUM	2 82.2	2.2	7.7	10.7	13.2	32.9	2 63.3	129.5	117.2	11	10.0	0.4	0.	0.	ó.	35 585.1
,,,,,,	••••	•••	***		• • • • • • • • • • • • • • • • • • • •	****	•		•••••	,,,,,		•••	••	••	•	,,,,,
	MANEU	VER NZ I	PEAKS F	OR VELO	vs	NZ 81	Y WEIGHT	23000.	ALTI	TuOE	2000 . M	155104	SEGMENT	HOLST		
	LESS	40	60	65	70	75	80	85	90	95	100	105	110	115	120	SUM
1.7	1															1
1.5	11															1
1.3	12															. 1
0.8	7															12
0.6 SUM	22															22
TIME	3.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	3.0
	MINEU	VER NZ	PEAKS F	OR VELO	CITY VS	MZ 8	A MEICH	23000	ALTE	TUDE	2000					
1.0	LESS	40	60	65	70	75	80	85	90	45	100	105	110	115	120	SUM
1.7	1															1
1.5	1					1										1
1.3	20	5	2	2	•	•	1 7	ž	•	•	,					03
0.8 0.7 0.6	•	1				3	7	7	10	,1	1	1	ı			91
0.5 SUM	40	•	2	2		13	15	16	14	17	2	1				
	211-5		64.1	01.0	96.7	141.9	231.0	304.8	290.5	195.3	59.2	11-1	0.3	0.	0.	1817.1
	•							10.2					300	••	٠.	

	MANEU	VER NZ	PEARS FO	DR VELD	CLTY VS	M2 8	4 MEIGH1	2 1000	ALTI	TUDE	5000, 4	ISSION	SEGMENT	ASCENT		
	LESS	40	60	45	70	75	80	85	90	95	100	105	110	115	120	SU4
1.3								1								2
0.8							1									1
0.4 SUM							1	1	1							,
TIME	0.2	3.5	3.2	5.3	0.3	14.2	17.5	18.1	9.1	7.6	1.2	1.6	0.	0.	0.	89.7
							•		•••		•••	•••	•	••	••	
	MANEL	IVER 42	PEAKS F	OR VELO	CITY VS	MZ 0	A REICH	23000	. ALTI	TUDE	5000,	ISSION	SEGMENT	DESCHI		
1.3	LESS	40	60	45	70	75	80	0.5	90	95	100	105	110	115	120	SUM
0.8					1											1
0.7							1	1		1						3
0.5 SUM					1		2	1		1						•
TIME	٥.	1.1	0.0	1.0	2.3	7.4	22.4	30.6	32.4	23.5	9.2	1.4	0.	0.	n.	132.3
****	••	•••	•••		•••		••••	,	2000	.,,,	7.44	•••	٠.	••		.,,
			PEARS F				BA MEICH			TUDE			SEGMENT			
1.3	LESS	40	60	65	70	75	•0	45	90	95	100	105	110	115	150	\$114
0.8								2	4							3
0.7						2										S
SUM						2		2	•							5
TIME	0.	0.	0.	0.9	2.0	32.0	55.7	72.6	49.4	32.1	10.0	2.3	2.4	0.	0.	300.7
	MANEU	VER 42	PEARS FO	DR VELO	CITY VS	MZ .	A REICHI	23000	ALTI	TUDE	5000					
	LESS	40	60	65	70	75	80	85	•0	95	100	105	110	115	120	SUM
1.3					1			3	2							6
0.8						2	2	1		1						6
0.5							1			_						1
SUM					1	2	,	•		1		_		_		13
TIME	0.2	4.6	4.0	7.2	13.3	53.6	95.7	121.5	131	63.1	20.4	5.3	2.4	0.	0.	522.7
	MANEU	VER 42	PEARS FO	DA VELD	CITY VS	MZ 8	Y WEIGHT	23000								
	LFSS	40	60	65	70	75	•0	85	90	75	100	105	310	115	120	SUM
1.7	A.															1
1.5	1															ļ
1.4	2		_			1	1	. 2	• .							3
0.0	52	5	3	•	7	•	•	11	11	•	3					120
0.7	13	1				5	1	•	10	12	7	1	1			6 L
0.5 SUM	72	•	3	•	7	15	20	21	2.	18	•	1	1			195
FEME	327.2	172.2	70.3	97.1	120.5	206.7	334.3	43.1.4	4/8.3	252.6	80.0	16.4	2.7	0.	0.	2562.5
	PANEU	VER 42	PEAKS FO	OR VELO	CITY VS	47 B	Y WF IGHT	25000	AL TI	TUDE	LESS. M	155EUN :	SEGMENT	ASLENT		
	LESS	40	60	65	70	75	80	84	90	45	100	105	110	415	1.0	SUM
1.3	1															ı
0.8 SUM	1															1
1146	4.3	0.4	0.	0.	0.7	0.8	0.6	0.1	c.	0.	0.	0.	0.	0.	٥.	6.3
	~ • •	2.7										_	_			

	MANELI	VEB M.7	PEAKS FO					25000.	<b>ALT   1</b>	rune	LESS					
	LESS	40	60	# VEEU	70	75	#E10H	23000, 85	90	95	100	105	110	.15	120	SUM
1.3	1	40	••	•,	,,	•••	•0	•,	70	4,	100	.07	110	,	120	
O.B SUM	1															1
TIME	23.9	1.4	0.	0.	0.2	1.6	1.1	0.2	0.	0.	0.	0.	0.	0.	0.	20.3
		VER NZ	PEAKS FO	OR VELO			Y WEIGHT	25000,	ALTI	TUDE	1000, M	1\$51UN	SEGMENT	ASCENT		
1.3	LESS	40	60	65	70	75	80	85	90	95	100	105	110	115	120	SUM
1.2	7	1														•
SUM	7	1														•
TIME	30.4	10.5	3.4	3.6	2.3	1.0	1.5	2.2	C.4	0.4	0.	0.	0.	0.	0.	56.8
	MANEU	VER NZ	PEAKS FO	M AFFD	CLTY VS	MZ H	r WEIGHT	25000.	ALFIT	UDE	1000 , 41	ISSION !	SEGMENT	DESCNT		
1.3	LESS	40	60	65	70	75	60	85	90	95	100	105	110	115	120	Sum
1.2	1						1									2
0.7					1											1
SUM	1				1		1									3
TIME	50.8	24.4	7.1	6.0	4.9	6.1	3.4	2.6	2.0	1.5	0.	u.	0.	J.	٥.	104.2
	MANEU	VER 42	PEAKS FO	M VELO	CETY VS	NZ BY	WEIGHT	25000,	<b>AL</b> [11	UDE	1000, 41	ISSIUN S	SEGMENT	STEADY		
1.4	LESS	40	60	65	70	75	80	85	90	95	100	105	110	115	120	SUM
1.3	1															5
0.8	1															1
SUM	4															•
TIME	69.7	0.6	1.5	1.7	2.6	1.1	0.3	0.7	c.	0.	0.	0.	0.	0.	0.	70.0
			PEAKS FOI		ITY VS		ME I GHT		ALTIT		000. 415			HOIST		
1.6	LESS	40	•0	65	70	75	80	85	90	75	100	105	110	115	150	SUM
1.4	1															i
1.3	6										_					1
0.7	3															3
SUM	12															12
TIME	1.6	0.	0.	0.	0.	0.	0.	0.	0.	٥.	0.	0.	0.	0.	0.	1-6
			PEAKS FO						ALTEN		1000					
1.6	LESS	40	60	65	70	75	80	85	90	45	100	105	110	115	120	SUM
1.4	1															i i
1.3	2 16	1					1									10
0.7	4				1											5
0.6 SUM	24	1			1		1									21
TIME	152.6	35.5	12.0	11.3	9.8	9.0	5.6	5.5	2.3	1.9	0.	0.	0.	<b>0.</b>	0.	245.6

	MANEU	VER NZ	PEAKS F	OR VELO	CITY VS	NZ 8	A ME10H	7 25000,	ALTI	TUDE	2000. 4	[55]UN	SEGMENT	ASCENT		
	LESS	40	60	45	70	75		85	90	45	100	105	110	115	120	SUM
1.3		1					ı				1					, )
0.0	•	2	3	1	1	1	•	1	i J	3						23
0.7 0.6 SUM	•	•	3	2		2	á	2	•		1					40
TIME	64.6	87.1	45.7	59.3	<b>60.3</b>	90.5	76.3		50.4	29.9	7.0	0.3	0.	0.	0.	637.8
	•				,,,,,											
	MANEU	VER 42	PEAKS F	OR VELO	CITY VS	NZ B	A MEICH	7 25000	, ALTI	TUDE	2000, 4	15510N	SEGMENT	MANHIYR		
	LESS	40	•0	65	70	75	80	05	90	95	100	105	110	115	120	SUM
1.4								L								À.
0.0							1 2	3	1							5
0.7							•	1								3 1
0.4 SUM							3		ì							10
TIME	0.	0.	0.	٥.	0.	0.3	3.2	<b>6.0</b>	2.7	0.0	0.	o.	0.	0.	0.	15.3
	MANEU	ren mz	PEAKS F	OA VELO	CITY VS	M2 0	A MEICH	T 25000.	. ALTI	TUDE	2000. 4	1221	SEGMENT	DESCNT		
	LESS	+0	60	45	70	75	80	85	90	75	100	105	110	115	120	SUM
1.4	2		-													2
1.2	1	3		L		•	3	7	4	3	2					20
0.7				ı	2	1	î	i	1		2	1				16
0.5 Sum	3	3		2	2	7		14	3	3	4	1				50
TIME	<b>07.</b> 0	59.0	23.7	29.5	42.6	86.3	117.2	124.3	101-1	70.2	41.4	7.5	<b>د .</b> 0	0.	0.	197.2
	MANEU	VER NZ	PEAKS F	OR VELO	CITY VS	NZ E	Y WEIGH	T 25000,	, ALTI	TUDE	2000, 1	15510N	SEGMENT	STEADY		
	LESS	40	60	65	70	75	80	85	90	95	100	105	110	115	120	SUM
1.3	3							5	5	3						1.0
0.4	1						3	3	,	ı						15
SUM	•						3	•	12	•						31
TIME	130.2	•.1	7.7	11.7	43.2	90.4	143.4	200.6	204.8	91.0	32.5	5.4	0.	0.	0.	971.5
							سنمتون ي		4		****		*****	uat - *		
		54 P3	PEAKS F	OR VELOC	70	75	DO A METCHI	25000, 85	90	95	100	105	SEGMENT 110	115	120	SUM
1.5	LESS	•0	•0	•,	,,	17	ě	•,	70	77	100	403		447	120	1
1.3	2 7															2 7
0.8	,															2

MAMELIVER MZ PEAKS FOR VELOCITY VS MZ BY MEIGHT 25000, ALTITUDE 2000

	LESS	40	60	65	70	75	**	85	90	95	100	105	110	115	1 50	SUM
1.5	1	1					ı	1			1					1
1.2	17	5	3	5	1	7	•	16	4	•	3					79
0.7	3	1		5	3	5	12	11	11	•	2	1				55
0.5 0.4 SUM	25	,	3		•		22	30	20	13	,	1				143
TIME	283.2	153-2	77.1	100.5	144.1	267.5	340.7	397.5	361.0	199.1	80.9	13.2	0.3	0.	٥.	2420.3
****		.,,,,	••••				3400.		,,,,,	•••••	••••	• • • • • • • • • • • • • • • • • • • •	•••	••	••	
	MANEU	VER MZ	PEAKS FO	M VELD	CITY VS	NZ W	Y WEIGHI	25000	ALTI	TUDE	5000, M	15510N 1	SEGMENT	ASCENT		
	LESS	40	60	45	70	75	90	. 85	90	45	100	105	110	115	130	SUM
0.1		1														1
SUM		1						•								ı
TIME	4.4	8.5	3.7	7.3	. 11-2	20.7	24.9	29.0	23.7	11.4	1.0	0.1	0.	0.	0.	146.6
						•										
	MANEU	VER NZ	PEAKS F	OR YELD	CITY VS	NZ E	A MEICH	T 25000	. ALTÍ	TUDE	5000, H	155104	SEGMENT	DESCNT		
1.3	LESS	40	40	65	70	75	80	85	90	95	100	105	110	115	1 20	SUM
1.2									1		1					2
0.7						1			1	1						1
SUM						1			2	1	1					5
TIPE	4.3	0.4	1.4	3.0	9.5	11.1	24.3	37.0	40.7	27.9	10.9	1.9	0.	- 0.	0.	171.3
	MANEU		PEAKS FO			NZ B					5000 · M					
1.3	LESS	40	60	45	70	75 1	40	15	•0	95	100	105	110	115	120	SUM 3
0.8						•		3								•
0.6 SUM						1		4	ž							,
TIME	2.4	1.6	0.4	7.4	13.7	35.0	101.2	75.2	.04.4	57.1	12.7	0.	0.	0.	0 -	440.0
	MANEU	VER NZ	PEAKS F	DR VELO	CITY VS	42 B	A METCH.	7 25000	. ALTI	TUDE	5000					
1.3	LESS	40	60	65	70	75	80	85	90	95	100	105	110	115	120	SU4
1.2						1		1	2		1					5
0.7		1				1		3	:	1						7
0.5 SUM		1				2		4	•	1	1					13
TIME	11.0	10.5	5.5	17.7	33.3	67-6	150.4	141.1	.70.8	122.4	25.5	2.0	0.	0.	٥.	757.7

	PAREL	1468 MS	PEARS F	OR VELC	CITY VS	M2 0	-	25000								
	LESS	40	•0	65	70	75	•0	85	90	95	100	105	110	115	1 70	\$114
1.6	1															i
1.4	2	1					1	1			ı					10
1.2	34	•	3	5	1	•	•	17	11	•	š					103
0.7	7	2		2	•	3	12	14	14	5	2	1				6.5
0.5							ı	i	ı							i
5UM	50	•	3	•	5	11	23	34	14	14	•	1				144
TIME	470.7	200.6	94.6	129.5	109.5	345.7	497.7	544.3	534	323.4	106.4	15.3	<b>U.3</b>	u.	٥.	3452.0
	MAMF	UVER NZ	PEAKS I	OR VEL	OC 1 TY VS	1 30	NY WEIGH	T 27000	. At T	1006	1000 - 1		SE GME N1	ALCANT		
	LESS		60	65	70	75	80	85	90	95					•	
1.3		40	•	•,		"	•	•,	40	43	100	105	110	115	120	
0.8	1				ı.											2
SUM	1				1											•
TIME	16.3	7.6	2.5	3.4	1.0	0.4	0.1	0.7	0.	0.	0.	0.	0.	0.	0.	33.0
	****										207					
					OCITY VS		A MEICH				1000					
1.3	LESS	40	•0	65	70	75	80	0.5	90	45	100	105	110	115	150	SUM
0.0	1				1											2
SUM	1				1											5
TIME	42.4	13.2	3.4	5.7	4.0	4.0	2.2	2.0	0	0.1	0.9	1.2	0.3	0.2	0.	PO.5
	MANEU	VER 42 F	PEAKS FO	OR VELO	CITY VS	WZ 81	r WEIGHT	27000,	AL FIT	UDE	2000. *	15510N 1	BESMENT	ASCENT		
	LESS	40	•0	45	70	75	00	85	<b>9</b> u	95	100	105	110	115	120	SUM
1.3	3	1		1	2		1	1	4		2					12
0.8			1			1	2	1								5
SUM	3	1	1	1	2	1	3	ž	:		2					17
TIME	31.2	32.8	24.3	29.5	31.0	33.2	37.5	30.3	26	15.4	4.9	0.1	0.	0.	0.	296.3
			PEAKS FI		CITY VS		WEIGHT				2000, =					
1.3	LFSS	40	60	65	70	75	80	65	90	45	100	105	110	115	130	504
1.2			ı			1			٠	1						5
0.7					1		1									2
SUM			1		1	1	1			1						7
TIME	0.	6.8	0.5	0.6	0.9	0.7	1.0	2.4	2.	0.8	n.	0.	0.	U.	0.	9.8
		FR NZ P					WEIGHT				2000, 41					
1.3	LESS	40	60	65	70	75	80	85	40	95	100	105	110	115	150	SU4
1.4				1				Å								2
0.7							11	1								2
SUM				1			1	2								•
TIME	14.0	12.0	4.1	6.5	4.4	13.6	25.9	36.1	41.7	36.9	12.2	1.6	0.2	υ.	0.	219.3

	MANEUV	ER MZ	PEAKS FO	DE AEFO	ITY VS	MZ B	A REICH!	27000	ALTE	TUDE	2000. 4	ISSION S	SEGMENT	STEADY		
1.3	LESS	40	40	65	70	75	80	85	90	95	100	105	110	115	120	51/4
1.2									1	1						\$
0.7	1						1	1		1						7
SUM	1						1	1	•	2						•
TIME	27.7	0.	1.5	12.5	4.8	20.0	55.0	.1.9	104.4	66.4	24.5	0.3	0.	u.	0.	401.0
	MANEU	VER NZ	PEAKS F	OR VELO	CITY VS	MZ 0		7 27000	, ALTE	TUDE	2000. 4	ISSIUN :	SEGMENT	HULST		
	LESS	40	60	45	70	75	80	05	90	95	100	105	110	115	120	SU4
1.4	1															1
1.2 SUM	1															ı
TIME	0.3	٥.	٥.	٥.	0.	٥.	0.	٥.	o.	٥.	٥.	0.	٥.	v.	٥.	0.3
	-															
	MANEU	AEU MS	PEAKS F	OK AEFO	CITY VS	MS E	A REICH	7 27000	. ALTI	TUDE	\$000					
1.4	LESS	40	40	65	70	75	80	85	90	95	100	105	110	115	1 20	SUM
1.3	1	1	1	2	2	1	ı	2	•	2	2					121
0.8	ı		1		1	1	5	3		1						10
0.6 SUM	5	1	2	2	3	2	•	5	,	3	2					38
TIME	78.2	45.4	30.2	49.1	46.0	68.5	120-2	150.7	174.4	119.5	41.6	2.0	0.2	٥.	٥.	926.7
	MANEU	ER NZ	PEAKS FO	ON AEFO	ity vs	MZ B	A REICHI	27000	ALTI	TUDE	5000. M		EGMENT	DESCNT		
0.8	1622	40	60	65	70	75	80	85	90	95	100	105	110	115	1 20	SUM
0.7											1					1
SUM											1					1
TIME	0.	0.	0.	0.7	0.1	0.6	1.3	4.2	1.4	5.3	1.3	0.3	0.	0.	0.	22.3
	MANEU	VER NZ	PEAKS FO	OR VELO	ETY VS	NZ 8	V WEIGHT	27000	ALTI	TUDE	5000					
	LESS	40	60	65	70	75	90	85	90	95	100	105	110	115	120	SUM
0.8											ı					1
0.4 SUM											1					1
TIME	0.	3.6	5.5	7.1	3.7	7.3	17.7	43.1	01	40.1	20.1	U. 3	0.	0.	0.	209.6
	MANEUV	EH NZ I	PEAKS FO	R VELOC	LTY VS	42 8	Y MEIGHT	27000								
1.4	LESS	40	•0	65	70	75	80	85	90	95	100	105	110	115	120	SUM
1.3	1	1	1	2	3	1	1	2	•	2	2					23
0.8	1		1		1	1	5	,	,	1	1					17
0.6 SUM	6	1	2	2	4	2	•	,	7	3	3					41
	124.8								116.5		62.6	1.4	0.5	0.2	0 -	

	MANEU	VER NZ	PEAKS FO	M VELO	CITY VS	NZ BY	MEIGHT	29000,	ALTI	TUDE	2000, 4	ISSION	SEGMENT	ASCENT		
	LESS	40	60	45	70	75	#0	0.5	90	95	100	105	110	115	120	SUM
0.6		1								1						2
0.0 5LM		1								1						2
TIME	1.0	2.1	3.6	3.4	4.6	3.4	4.7	6.5	7.8	4.2	1.6	0.	0.	0.	0.	44 -1
	MANEU	VER NZ	PEAKS FO	DR VELO	CITY VS	NZ 01	. METCH1	29000.	ALTI	TUDE	20 <b>00</b> . H	ISSION	SEGMENT	DESCNT		
	LESS	40	60	65	70	75	80	05	•0	95	100	105	110	115	120	SUM
0.8 0.7 0.6 SUM										1						1
TIME	6.7	0.7	0.4	0.9	1.0	2.5	3.1	6.0	1.4	2.2	0.7	0.5	0.	0.	0.	33.9
	MANEU	YER NZ	PEAKS FO	M VELO	CITY VS	NZ BY	WEIGHT	29000.	ALTI	TUDE	2000					
0.8	LESS	40	60	45	70	75	80	85	90	95	100	105	110	115	120	SUM
0.7		1								2						3
NUZ		1								2						3
TIME	20.7	2.9	4.2	4.3	5.6	5.9	7.9	15.5	35.3	15.2	8.2	0.5	0.	0.	0.	126.2
			PEAKS FO				MEIGHT									
0.8	LESS	40	40	65	70	75	80	85	90	95	100	105	110	115	120	SUM
0.7		1								2						3
SUM	40.0	1 5.2	5.5	5.1	7.0	7.5	9.9	19.1	54.4	22.5	11.1	0.5	0.	0.	0.	187.5
	••••	•••			,,,,						••••		••	••	••	*****
	MANEU	ER NZ	PEAKS FO	R VELO	CITY VS	NZ BY	WEIGHT	33000,	ALTII	TUDE	2000, M	ISSION	SEGMENT	STEADY		
1.3	LESS	40	60	65	70	75	80	0.5	90	95	100	105	110	115	120	SUM
1.2					1											1
0.7						1										1
SUM					1	1										2
TIME	18.6	5.4	2-1	14.4	17.4	10.4	4.2	0.3	C.	0.	0.	0.	0.	0.	0.	72.8
	MANEU	ER NZ	PEAKS FO	R VELO	CITY VS	NZ BY	WEIGHT	33000,	ALTI	TUDE	2000. 4	ISSION	SEGMENT	HUI ST		
1.5	LESS	40	60	65	70	75	80	85	90	95	100	105	110	115	150	SUM
1.4	1															1
SUM	1		_			_		•				_				1
TIME	0.3	0.	0.	0.	0.	0.	0.	0.	c.	0.	0.	0.	o.	0.	0.	0.3

	MANEU	VER NZ	PEAKS F	OR VELO	SV YTIO	NZ 81	Y WEIGHT	33000,	ALTII	ODE	2000					
1.5	LESS	40	60	65	70	75	80	85	90	95	100	105	110	115	120	SUM
1.4	1															1
1.2					1											1
0.7						1										1
SUM	1				1	1										3
TIME	32.8	39.6	7.6	23.4	37.6	21.0	7.3	1.3	0.1	0.	0.	0.	0.	0.	0.	170.6
	MANEU	VER NZ	PEAKS F	OR VELO	CITY VS	NZ BY	WEIGHT	33000								
	LESS	40	60	65	70	75	80	85	90	95	100	105	110	115	120	SUM
1.5 1.4 1.3	1															1
1.2					1											1
0.7 0.6						1										1
SUM	1				1	1										3
TIME	51.5	39.9	7.6	23.4	37.6	21.0	7.3	1.3	C-1	0.	0.	0.	0.	0.	0.	169.7
		VER NZ	PEAKS F	OR VELO			WEIGHT	35000,	ALTIT	UDE 2	2000, MI	SSION S	EGMENT	HOIST		
1.4	LESS	40	60	45	70	75	80	85	90	95	100	105	110	115	120	NUZ
1.3	1															1
0.8	ī															1
SUM	3															3
TIME	0.2	0.	0.	0.	0.	0.	0.	0.	C.	0.	0.	0.	0.	0.	0.	0.2
	MA N.F.	NO	PEAKS FO				ue teur	25000								
	LESS	40	60 60	# VELUL	70	NZ BY	ME IGHT	85	AL FITO	95	100	105	110	115	120	SUM
1.4	1	40	**	• • •			••	•,		000		.07	110	•••	120	1
1.2	1															i
0.7	1	:														1
SUM	3															3
TIME	34.4	44.7	27.9	54.9	46.6	26.0	6.2	2.9	0.3	0.	0.	0.	0.	0.	0.	243.9
	MANEIR	VER M7	PFAKC F	OR VELDE	TTY VC	M7	WEIGHT	35000								
	LESS	40	60	<b>65</b>	70	75	80	85	90	95	100	105	110	115	120	SUM
1.4	1					-				•				•••		1
1.2	1															i
0.7	1															1
SUM	3															3

	MANEU	VER NZ	PEAKS F	OR VELO	CITY VS	NZ 8	Y WEIGHT	36000.	ALTII	TUD F	1000, 4	I S S I (I) N	SEGMENT	HULST		
	LESS	40	60	65	70	75	80	85	90	95	100	105	110	115	120	SUM
1.3	3						-			•	•••	•••	•••	•••		3
SUP	3															3
TIME	0.1	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	٥.	0.1
						••	•	••	••	••	•	••	٠.	٠.	0.	0.1
	MAMELI	UEB 47					/ WEIGHT	34.000		une i						
	LESS		PEAKS FO			NZ B1			ALTIT		1000	100				e
1.3	3	40	60	65	70	(3	80	85	90	95	100	105	110	115	120	SUM
0.8 SUM	3															3
									_			_				3
TIME	13.5	5.8	2.0	0.7	1-5	0.2	0.2	0.2	с.	0.	0.	0.	0.	0.	0.	23.8
	MANEU	VER NZ	PEAKS F	OR VELO	CETY VS	NZ B	* WEIGHT	36000,	ALTIT	UDE à	2000, MI	SSIUN	SEGMENT	ASCENT		
	LESS	40	60	65	70	75	80	85	90	95	100	105	110	115	120	SUM
0.8		1														
0.6 SUM		1														1
TIME	15.9	24.7	12.9	16-7	14.2	8.5	1.4	0.4	1."	0.2	0.	0.	0.	0.	0.	96.3
	MANEU	VER NZ	PEAKS F	OR VELO	CITY VS	NZ H	A METCHL	36000,	ALTIT	TUDE :	2000 • MI	ISSION :	SEGMENT	STEADY		
1.3	LESS	40	60	65	70	75	80	65	90	95	100	105	110	115	120	SUM
1.2	1															1
SLM	1															1
TIME	9.2	19.5	18.8	33.3	31.1	25.5	1.7	0.	C.	0.	<b>U</b> .	0.	0.	0.	0.	139.2
	******	WED 11.2	PFAKS F	00 451 0	C	NZ A	r weight	34000	ALTIT	une :	2000, #1	ectus (	ECCMENT.	HOIST		
	LFSS	40	60	65	70	75	+O	85	90	95	100	105	110	115	120	SUM
1.3		•0	50	9.9	10	,	0			.,				•••	• • • •	307
0.8	3															3
SUM	3		u.	o.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.2
TIME	0.2	0.	٠.	٠.	0.	٠.	٠.	••	••	٧.	••	٠.	•	••	•	0.2
	MANE U	VER NI	PEAKS FO	DR VELOC	CITY VS	NZ BY	WEIGHT	36000,	ALTET	un€ a	000					
	LESS	40	60	65	70	75	60	85	90	95	100	105	110	115	120	Sum
1.3	4															4
0.8		1														1
0.6 SUM	4	1														ŝ
TIME	34.4	94.0	5 H. 3	71.6	67.1	47.7	11.7	9.8	6.7	i.9	0.	0.	0.	0.	0.	398.2

	MANEU	VER NZ	PEAKS F	DR VELO	CITY VS	NZ BY	WEIGHT	36000								
	LESS	40	60	65	70	75	60	85	90	95	100	105	110	115	120	504
1.3	7															,
0.8		1														ì
0.6 SUM	7	1														י
TIME	55.2	95.9	64.3	86.7	83.3	54.8	23.9	24.8	18	3.2	0.	0.	0.	0.	0.	510.6
	MANEUV	IER NZ	PEAKS FO	R VELO	ITY VS	NZ HY	WE IGHT	37000.	ALTIT	UDE	1000, 41	SSIUN S	SEGMENT	H015T		
	LESS	40	60	65	70	75	60	85	90	95	100	105	110	115	120	SUM
1.3	•															4
0.7	2															2
0.6 SUM	6															5
TIME	0.3	0.	0.	0.	0.	0.	0.	0.	с.	0.	0.	٥.	0.	0.	0.	0.3
1.3	MANEU LESS 4	VER 81.	PEAKS F	OR VELO	CITY VS 70	NZ B1 75	/ WEIGHT	37000 <b>,</b> 85	ALTII 9u	TUDE 95	1000	105	110	115	120	\$U# 4
0.8	2															2
0.6 SUM	6															6
TIME	26.8	7.6	2.8	2.0	1.7	1.7	0.6	U. 2	0.	0.	0.	0.	0.	0.	r.	43.7
			PEAKS F					37000.			2000, M					
1.3	LESS	40	60	65	70	75	80	85	90	45	100	105	110	115	120	SUM
0.8		1														ì.
SUM	22.4	1 42.0	37.0	41.5	21.0	16.7	10.3	3.0	C . I	0.	0.	0.	0.	0.	n.	194.0
			PEAKS FO													
1.5	LESS	40	ΦÜ	65	70	75	80	85	90	ge	100	105	110	.15	1.	٠, •
1.3	1															:
0.8	1			ì												
0.7	1															
0.5 Sum	3			1												

	MANEU	VER NZ	PEAKS F	OR VELO	CITY VS	NZ 61	WEIGHT	37000,	ALTIT	UDE	2000					
	LESS	40	60	65	70	75	80	85	90	95	100	105	110	115	120	Su4
1.5	ı															1
1.3	1	1		1												3
0.7																
0.5	1					•										i
SUM	3	1		1												5
11#E	53.9	155.5	124.2	175.7	136.5	74.9	31.4	8.4	2.6	0.	0.	0.	0.	0.	0.	739.4
•	MANEU	VER NZ	PEAKS F	OR VELO	CITY VS	NZ 81	WEIGHT	37000								
	LESS	40	60	65	70	75	80	85	90	95	100	105	110	115	120	SUM
1.5	1															1
1.3	5	1		1												7
0.8	2															2
0.6	1															ī
SUM	9	1		1												11
TIME	91.3	164.5	136.4	182.9	152.7	89.3	36.2	13.3	5.2	0.	0.	0.	0.	0.	0.	971.9
	MANEL	JAEK NS	PEAKS !	FOR VELO	CITY VS	NZ B	Y WEIGHT	38000,	ALTI	TUDE	1000, 4	NO122	SEGMENT	HOIST		
	LESS	40	•0	65	70	75	80	85	90	95	100	105	110	115	120	SUM
1.3	1															1
SUM	1															1
TIME	0.2	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.2
	MANEU	VER NZ	PEAKS F	CR VELO	CITY VS	NZ 81	MEIGHT	38000,	ALTEI	UDE	1000					
	LESS	40	60	65	70	75	80	85	90	95	100	105	110	115	120	SUM
1.3	1															1
SUM	1															1
TIME	29.0	11.1	3.6	1.8	1.4	1.7	0.1	0.	c.	0.	0.	0.	0.	0.	0.	49.8
	MANEU	VER NZ	PEAKS F	OR VELO	CITY VS	NZ 8Y	WE LGHT	38000,	ALTIT	JDE.	2000. #1	\$\$10N \$	EGMENT	DESCNT		
1.3	LESS	40	60	65	70	75	80	85	90	95	100	105	110	115	120	SUM
1.2	1															1
SUM	1															1
TIME	27.7	43.6	43.1	41.4	37.4	26.3	11.3	5.9	1.0	0.	0.	0.	0.	0.	0.	237.9
	MANEUS	MANEUVER NZ PEAKS FOR VELUCITY VS					NZ BY WEIGHT 38000,			UDE	2000. 41	EJMENT :	STEADY			
	LESS	40	60	65	70	75	30	85	91	45	100	105	110	115	120	SUM
1.3				1												1
50₩ 0•8				Į.												4
1146	A.1	20.5	25.0	45.2	82.1	43.1	19.6	15.8	С.	0.	0.	0.	0.	0.	0.	260.1

#### TABLE LXIII - Continued

		MANEU	VER NZ	PEAKS F	OR VELO	ITY VS	NZ BY	METCHL	34000.	ALTIT	UDE	2000, MI	SSION S	EGMENT	HUIST		
		LESS	40	60	45	70	75	80	85	90	95	100	105	110	115	120	SUM
1.		4															•
0.		1															1
0.	6	5															5
Su								_	_	_	_		_	_			0.4
71 =	E	0.4	0.	0.	0.	0.	0.	0.	0.	c.	0.	0.	0.	0.	0.	0.	0.4
		MANEU	VER NZ	PEAKS F	OR VELO	CITA AZ	N2 81	. METCHI	38000.	ALTI	TUDE	2000					
1	. 3	LESS	40	•0	45	70	75	80	85	90	45	100	105	110	115	120	SUM
1	.2	5			1												•
0.	. 7	1															1
	. O	•			ı												7
TE	ME	77.4	145.2	125.5	130.0	149.4	81.7	34.6	22.1	1.3	٥.	0.	0.	0.	0.	0.	767.6
٠		MANEU	VER NZ	PEAKS F	OR VELO	CITY VS	NZ 81	. WEIGHT	38000								
		LESS	40	60	65	70	75	90	85	90	95	100	105	110	115	120	SUM
1.	. 3		40	•				•••	• • •	,,,			,		•••		7
0.	. 2	•			1												
	.7 .6	1															1
S	UM	7			1												
TI	ME	109.9	171.0	147.5	153.2	167.7	98.4	34.1	24-1	1.0	0.	0.	0.	u.	0.	0.	908.9
		MANEU	VER NZ	PEAKS F	OR VELO	CITY VS	NZ BY	MEIGHT	39000,	ALTII	UDE	1000 . MI	SSION S	EGMENT	HOIST		
		LESS	40	•0	65	70	75	80	85	90	95	100	105	110	115	120	SUM
1.	. 3	1															1
0.	. <b>6</b> . 7	1															1
0.		2															2
111		0.1	0.	0.	. 0.	0.	0.	0.	0.	с.	0.	0.	0.	0.	0.	٥.	0.1
11.		0.1	٠.	••		••	••	٠.	٠.	٠.	٠.	٠.	٠.	•	٠.	٠.	0
				PEAKS F		CITY VS		WEIGHT		ALTE		1000					
1.	. 3	LESS	40	40	45	70	75	80	85	90	95	100	105	110	11>	120	SUM
0.	. 2	1															1
0	.7	1															1
	UM	2															Z
TI	ME	23.9	12.2	2.2	0.8	0.7	0.9	0.2	0.	0.	٥.	0.	0.	0.	0.	0.	40.9
			VER NZ	PEAKS F	OR VELD	CITY VS	MS BA	MEIGHT	39000.	ALTIT	UDE	2000, MI	SSION S	EGMENT	STEADY		
1.	. 3	LESS	40	60	65	70	75	80	85	90	45	100	105	110	115	120	SUM
1.	. 2	1				1											2
0.	.,				1												l.
	. 6 UM	1			1	1											
TI	ME	12.7	37.6	79.2	90.7	72.5	39.5	27.0	15.1	c.	0.	0.	0.	0.	0.	n.	374.3

#### TABLE LXIII - Continued

	MANE	UVER NE	PEAKS F	OR VELO	CITY VS	NZ HY	WEIGHT	38000	AL TI	TI INE	2000 . 4		ACMENT.	H015T		
	LESS	40		45	70	75	#610H1	85	90	95	100	105	110	115	120	SUM
1.4	1	40	•0	•,	70	•••	•"	•,	747	**		.0,		447		1
1.2	ì															j
SUM	•															•
TIME	0.2	٥.	0.	٥.	0.	0.	0.	0.	c.	ζ.	0.	0.	0.	0.	0.	0.2
		NEW WS	PEAKS F	OR VELO	CITY VS		WEIGHT		ALTIT		2000					
1.4	LFSS	40	<b>6</b> 0	65	70	75	●0	85	90	95	100	105	110	115	1 20	SUM
1.3	1				1											5
0.8				1												1
0.6 SUM	5			1	1											7
TIME	61.7	133.6	145.2	169.0	148.1	73.1	36.0	20.7	О.	0.	0.	0.	0.	0.	0.	787.4
	MANEL	VER NZ	PFARS FO	OR VELO	CITY VS	NZ 84	WEIGHT	39000								
1.4	LESS	40	60	45	70	75	80	85	90	95	100	105	110	115	120	504
1.3	ı				1											1
0.0	1			1	•											2
0.4 SUM	,			1	ı											,
TIME	87.9	154.7	151.5		150.6	84.9	42.4	22.6	0.	0.	0.	0.	0.	0.	0.	568.8
		•			•											115717
	MANEU	VER NZ	PEAKS FO	OR VELOC	CITY VS	NZ BY	WE IGHT	40000,	AL TIT	UDE	1000. HI	SSION S	EGMENT	STEADY		
	LESS	40	60	65	70	75	40	85	90	95	100	105	110	115	120	SUM
1.3	1															1
SUM	1															1
TIME	5.5	٥.	0.	0.	0.	0.	0.	0.	c.	0.	0.	0.	0.	0.	0.	5.5
	MANEL	IVER NZ	PEAKS F	OR VELD	CITY VS	NZ BY	WEIGHT	40000.	ALTIT	UDE	1000					
	LESS	40	60	65	70	75	60	85	90	95	100	105	110	115	120	SUM
1.3	1															1
0.8 Sum	1															1
TIME	42.4	16.9	3.8	2.3	0.7	0.3	0.1	0.	c.	0.	0.	0.	0.	0.	0.	66.5
	***		BCA#*	<b>AB</b> 1454.70		h. 9 . n	ar tene	40000	41 ***	1104	2000 #*		. CMF N.F	46754.7		
			PEAKS FO			75	#U	85	4L F1T	95	2000. MI	105 105	110	115	120	SUM
1.3	LFSS	40	60	65	70 1	()	9()	97	40	77	100	407	110	117	120	
1.2 0.8 0.7					1											1
0.0 SUM					2											
11#£	\4 · 4	119.1	74.0	50.0	36.0	14.7	1 4	0.	с.	o.	0.	0.	0.	0.	0.	362.4
11-1	77.7	114.1	74.0	30.0	30.17		3.5	٠.	••		٠.	٠.	-	••	٠.	JUE . T

#### TABLE LXIII - Concluded

MANEUVER NZ PEAKS FOR VELOCITY VS. NZ BY WEIGHT 40000, ALTITUDE 2000, MISSING SERMENT STEADY

			rtang					40000		1 10172	2000,		J. J	311 401		
1.3	LFSS	40	60	65	70	75	•0	85	90	95	100	105	110	115	120	<u>.</u> 14
1.4	1															1
0.8		1														1
0.6 SUM	1	1														2
TIME	24.9	59.1	63.2	83.5	37.0	37.6	23.4	5.0	٥.	0.	0.	٥.	0.	υ.	0.	133.6
				****	,,,,		•••					-		-		
	MANE	UVER NZ	PEAKS	FOR VEL	OCITY V	NZ	BA METCH	T 40000	. ALTI	TUDE	2000.	1551UN	SEGMENT	HULST		
1.6	LESS	40	60	65	70	75	80	85	90	95	100	105	110	115	120	S JM
1.5	ı,						•									1
1.4	1															
0.8	•															•
0.7	2															2
0.5	1															1
SUM	11															11
TIME	0.6	0.	0.	0.	0.	0.	0.	0.	c.	0.	0.	0.	0.	0.	0.	0.6
	MANE	UVER NZ	PEAKS	FOR VEL	DCITY VS	NZ (	BY WEIGH	T 40000	. ALTI	TUDE	2000					
	LESS	40	60		70	75	80	85	90	95	100	105	110	115	120	SUM
1.6	1	•	•				-				•				•	1
1.4	i															i
1.3	7				1											9
0.8	2	1			1											4
0.5	1															1
0.4 SUM	12	1			2											15
TIME	99.1	220.0	167.8	183.4	104.0	62.8	33.5	8.6	0.7	0.	0.	0.	0.	0.	0.	440.4
					OCITY VS		A METCH									
1.6	LESS	40	60	65	70	75	90	35	90	95	100	105	110	115	120	SUM
1.5	1															1
1.3					1											- y
0.8	2	1			1											
0.6	1	•			•											•
0.4																ì
SUM	13	1		.00	2	10000										15
TIME	145.1	241.4	176.8	198.3	109.3	68.8	37.0	10.0	1 • 1)	0.	υ.	0.	0.	0.	0.	987.7
•	MANE	JVER NZ	PEAKS	FOR VELO	CITY VS	tiZ										
	LESS	40	60	65	70	75	٦0	85	90	95	100	105	110	115	1.0	SUM
1.0	1															
1.6	3															•
1.4	7 11					1		,								
1.3	126	13	1	10	15	18	20	77	: 6	47	1 5					,
0.0	28	6	1	3	6	10	46	45	2.	,1	•	ر				1 · •
0.5	2						2	1	•		2					,
0.4 \$U¶	179	20	8	13	27	29	÷0	οč	5.4	38	le	4	1			-44
							1203.0				.14.4	:1.5	3.5	L	). 1	29/201

# TABLE LXIV. $n_{\mathbf{x}}$ PEAKS FOR AIRSPEED VERSUS $n_{\mathbf{x}}$ BY WIGHT, SAMPLE II

	44	FEARS FO	H 418	SFEFC	VS 4 #	47 WE	IGHT 2	1000								
	LESS	+c	63	6.5	70	75	80	25	30	95	100	105	110	115	120	Sum
-C.2.											2					2
-C.LC																_
C.15 C.2C	2															2
PINS	50.9	26.1	7.3	9.6	14.2	17.3	25.6	34.4	32.3	26.6	14.8	1.6	0.	0.	٥.	260.7
	NE	FEAKS FO	LA AIR	SFEEC	VS 44	87 W	EIGH' 2	3000								
	LESS	40	60	e 5	70	75	80	85	90	95	100	105	110	115	120	SUM
-C.25											1					1
-0.15 -0.10 0.10								1	2	1	2	3				9
0.15	20 10															3 20 10
C.25	33							1	2	1	3	3				43
PENS	327.2	172.2	78.3	97.1	120.	206.7	336.3	432.4	428.2	262.6	80.0	16.4	2.7	0.	0.	4562.5
	44	FEARS FO	M AIA	SPEEC	VS 4x	BY W	EIGHT 2	5000								
-0.20	LeSi	◆C	60	65	7:	75	€0	35	90	95	100	125	110	115	120	SUM
-0.15 -0.10										1	4	1				6
C.15	7 32	3	1													11 33
0.20	•															•
C.3C C.35 SUP	ا 44									,	4	•				1 55
PINS	470.7	200.6	94.6	129.5	187.	245.7	497.7	544.3	534.1	323.4	106.4	15.3	0.3	٥.	0.	3452.0
	NX	FEAKS FC	R AIR	SFEED	VS AT	84 WE	IGHT 2	7000								
	LeSS	4C	60	65	7.7	75	60	£ 5	90	95	100	105	110	115	120	SUM
-0.10 -0.10												1				1
C.10	¿ 5															2
C.26	1															1
4U2 2P34	120.8	63.2	39.3	62.0	57.	90.6	141.2	196.5	236.5	159.8	62.6	3.4	0.5	0.2	0.	1225.4
			• • • • • • • • • • • • • • • • • • • •		V" NE	AU UE	.cu. 3/	9 <b>00</b> 0								
	LESS	FEAKS FOR	63		7° NE			35	9.0	95	100	105	110	115	120	Sum
C.24	3	40	• •		•	.,	•	3,	,,	•	700	•••	•••	•••		3
C.25	,															3
P1 15	4 3	5.2	.5	• 1	7,	7.5	1.5	19.1	54.4	22.5	11.1	0.5	0.	٥.	0.	187.6
		FEARS F	0 A184	SEFFO	VS NY	AY WE	IGHT 3	5002								
	L:35	4C	60	65	70	75	80	95	90	95	100	105	110	115	120	SUM
-C.16	l	•				-										1
2.20	1															3
5.25 SUP	5				40.1	34.4		2.3	0.3	0.	2.	0.	٥.	٥.	^	260.5
-1 A :	44.7	46.3	21.1	57.4	49.1	26.6	6.9	1	0.3	٠.	.,.	٠.	٠.	٠.	0.	200.7

## TABLE LXIV - Concluded

	NX	FEAKS F	CR AT	SPEED	VS NX	94 ME	IGHT 3	6000								
	LéSS	40	60	45	76	75	60	15	40	95	100	:05	110	115	120	SUM
C.1C	3		1													4
C.26	2:															2
0.30 SUM	•		1												-	7
MIMS	55.2	95.9	64.3	86.7	43.3	54.8	23.9	24.8	18.4	3.2	٥.	0.	0.	٥.	0.	510.6
									•							
	w			SPEED		87 HE	1GHT 3	7000								
		FEAKS F	40		VS NX	75	40	85	90	95	100	105	110	115	120	SUM
0.10	Less	40	••	45	• 12	,,	40	•,	10	**		,	***		120	
C-15																4
C.25	10										0.	0.	0.	0.	٥.	10
PINS	91.3	164.5	130.4	145.4	152.7	99.3	34.2	13.3	5.2	0.	٠.	٠.	9.	٠.	٠.	671.9
	NX	FEAKS F	CR AE	SPEEC	VS NX	87 WE	IGHT 3	8000								
	Less	40	60	65	7:	75	60	85	90	95	100	105	110	115	120	SUM
-0.1C	1															1
C.15	12															12
C.25	17															17
PINS	109.9	171.0	147.5	153.2	167.7	98.4	36.1	24.1	1.0	9.	0.	0.	0.	0.	0.	908.9
		FEAKS F	CR AI	SPEED	VS NE		IGHT 3	9300								
C.1C	LESS	40	60	45	70	75	.0	45	40	95	100	105	110	115	120	SUM
0.15	3															3
C.25	7															7
PINS	87.9	154.7	151.5	174.1	150. é	84.9	42.4	22.6	0.	0.	0.	0.	0.	0.	0.	868.9
	NX	FEAKS F	OR 418	SFEED	-	. WE	IGHT 4	0000								
	LESS	40	60	45	70	75	10	35	90	95	100	105	110	115	120	SUM
-0.1C			1													1
0.15	2															4 2
0.25	2															2
MU2 2M14	145.1	241.4	176.0	198.)	109.3	68.8	37.0	10.0	1.0	o.	0.	0.	0.	٥.	c.	987.7
								-					- 1		- •	200

# TABLE LXV. $n_{\mathbf{x}}$ PEAKS FOR AIRSPEED VERSUS $n_{\mathbf{x}}$ BY ALTITUDE, SAMPLE II

HA PEAKS FOR AIRSPEEC VS NX BY ALTITUDE 1000  LLSS	SUM 1 4 5 79.9 SUM 3 31 14 2 50 849.6
C.1C 1 0.15 4 0.2C SUM 5 MINS 62.6 8.5 1.4 0.6 0.6 2.3 2.1 0.9 C.7 9.1 0.1 0. 0. 0. 0. C. 1  MA PEAKS FOR AIRSPEEC VS NX BY ALTITUDE 1000  LLSS 4C 60 65 7C 75 80 85 90 95 100 105 110 115 120  -C.1C 3 C.1C 3 C.1C 3 C.1C 14 0.2C 14	5UM 31142
GLZC SUM 5 MINS 62.6 8.5 1.4 0.6 0.6 2.3 2.1 0.9 C.7 0.1 0.1 0. 0. 0. 0. C. 1  NA PEAKS FOR AIRSPEEC VS NX 8Y ALTITUDE 1000  LLSS 4C 60 65 7C 75 80 85 90 95 100 105 110 115 120  CLC 1C 3 C.1C 3 C.2C 14 C.2C 14 C.3C 25 2 C.3C 14.8 0.2 0.3 0.2 0. 84  NA PEAKS FOR AIRSPEED VS NX 8Y ALTITUDE 2000  LESS 4C 60 65 77 75 80 85 90 95 100 105 110 115 120  C.2C 20 C.3C 1	5UM 3 31 14 2
MINS 62.6 8.5 1.4 0.6 0.6 2.3 2.1 0.9 C.7 0.1 0.1 0. 0. 0. C. 7  HA PEAKS FOR AIRSPEEC VS NX BY ALTITUDE 1000  LLSS 4C 60 65 7C 75 80 85 90 95 100 105 110 115 120  -C.1C 3 C.1C 3 C.1C 14 C.2C 14 C.2C 2 C.3C SUM MINE 505.7 145.4 42.3 35.7 33.8 30.8 20.6 14.8 9.2 6.1 1.3 1.2 0.3 0.2 0. 84  VA PEAKS FOR AIMSPEED VS NX BY ALTITUDE 2000  LLSS 4C 60 65 7C 75 80 85 90 95 100 105 110 115 120  -C.25 -C.27 1 1 2 2 7 4  -C.1C C.1C 1.1 1 1 C.1C 5 5 1 1 1 C.2C 23 C.2C 15 1 1 1 1 C.3C 15 1 1 C.3C 1 1 C.3C 1	5UM 3 31 14 2
LLSS 4C 60 65 7C 75 80 85 90 95 1C0 105 110 115 120  -C.1C C.1C 3 C.1E 31 C.2C 14 0.25 2 G.3C SUM 50 MINS 505.7 145.4 42.3 35.7 33.8 30.8 27.6 14.8 9.2 6.1 1.3 1.2 0.3 0.2 0. 84  -C.2C LESS 4C 60 65 7C 75 80 85 90 95 100 105 110 115 120  -C.25 -C.27 -C.15 -C.1C C.1C 10 1 1 1 C.15 53 1 1 C.2C 23 C.2C 23 C.2C 11 C.3C 1	3 31 14 2
LLSS 4C 60 65 7C 75 80 85 90 95 1C0 105 110 115 120  -C.1C C.1C 3 C.1E 31 C.2C 14 0.25 2 G.3C SUM 50 MINS 505.7 145.4 42.3 35.7 33.8 30.8 27.6 14.8 9.2 6.1 1.3 1.2 0.3 0.2 0. 84  -C.2C LESS 4C 60 65 7C 75 80 85 90 95 100 105 110 115 120  -C.25 -C.27 -C.15 -C.1C C.1C 10 1 1 1 C.15 53 1 1 C.2C 23 C.2C 23 C.2C 11 C.3C 1	3 31 14 2
LLSS 4C 60 65 7C 75 80 85 90 95 1C0 105 110 115 120  -C.1C C.1C 3 C.1E 31 C.2C 14 0.25 2 G.3C SUM 50 MINS 505.7 145.4 42.3 35.7 33.8 30.8 27.6 14.8 9.2 6.1 1.3 1.2 0.3 0.2 0. 84  -C.2C LESS 4C 60 65 7C 75 80 85 90 95 100 105 110 115 120  -C.25 -C.27 -C.15 -C.1C C.1C 10 1 1 1 C.15 53 1 1 C.2C 23 C.2C 23 C.2C 11 C.3C 1	3 31 14 2
LLSS 4C 60 65 7C 75 80 85 90 95 1C0 105 110 115 120  -C.1C C.1C 3 C.1E 31 C.2C 14 0.25 2 G.3C SUM 50 MINS 505.7 145.4 42.3 35.7 33.8 30.8 27.6 14.8 9.2 6.1 1.3 1.2 0.3 0.2 0. 84  -C.2C LESS 4C 60 65 7C 75 80 85 90 95 100 105 110 115 120  -C.25 -C.27 -C.15 -C.1C C.1C 10 1 1 1 C.15 53 1 1 C.2C 23 C.2C 23 C.2C 11 C.3C 1	3 31 14 2
-C.1C C.1C 3 C.1T 31 C.2C 14 O.2E 2 C.3C 31 C.3C 14.8 9.2 6.1 1.3 1.2 0.3 0.2 0. 84 O.2E 2 C.3C SUM 5.3 MINS 505.7 145.4 42.3 35.7 33.8 30.8 27.6 14.8 9.2 6.1 1.3 1.2 0.3 0.2 0. 84 O.2E 5 4C 6.0 6.5 70 75 80 85 90 95 100 105 110 115 120 C.2C C.1E 1.2 1 2 2 7 4 C.1E 5.3 1 1 C.1E 5.3 1 C.3E 5.3 1 C.3	3 31 14 2
C.15 31 C.2C 14 D.25 2 G.3C SUM 50 MINS 505.7 145.4 42.3 35.7 33.8 30.8 27.6 14.8 9.2 6.1 1.3 1.2 0.3 0.2 0. 84  NA PEAKS FOR AIMSPEED VS NX BY ALTITUDE 2000  LESS 4C 60 65 77 75 8D 85 9U 95 100 105 110 115 120  -C.25 -C.27 -C.15 1 2 2 7 4 -G.1C C.1C 10 1 1 1 C.15 53 1 1 C.2C 23 C.2C 23 C.25 1 C.31	31 14 2
C.3C SUM 50 MINS 505.7 145.4 42.3 35.7 33.8 30.8 27.6 14.8 9.2 6.1 1.3 1.2 0.3 0.2 0. 84 NA PEAKS FOR AIMSPEED VS NX BY ALTITUDE 2000 LESS 4C 60 65 70 75 8D 85 9U 95 100 105 110 115 120 -C.25 -C.27 -C.15 -C.16 C.1C C.1C C.1C C.1C C.1C C.1C C.2C 23 C.2C 23 C.2C 23 C.2C 23 C.2C 23 C.2S 1 C.3C	2 50
SUM 50 MINS 505.7 145.4 42.3 35.7 33.8 30.8 27.6 14.8 9.2 6.1 1.3 1.2 0.3 0.2 0. 84  VA PEAKS FOR AIMSPEED VS NX BY ALTITUDE 2000  LESS 4C 60 65 70 75 80 85 90 95 100 105 110 115 120  -C.25 -C.27 -C.15 -C.15 -C.16 -C.15 -C.15 -C.15 -C.15 -C.16 -C.16 -C.16 -C.17 -C.18 -C.18 -C.18 -C.18 -C.18 -C.18 -C.19 -C.19 -C.19 -C.19 -C.19 -C.19 -C.10 -C.10 -C.11 -C.11 -C.12 -C.11 -C.12 -C.13 -C.25 -C.26 -C.27 -C.15 -C.27 -C.18 -C.28 -C.28 -C.28 -C.29 -C.20 -C.20 -C.20 -C.21 -C.31	
NX PEAKS FOR AIMSPEED VS NX BY ALTITUDE 2000  LESS 4C 60 65 7° 75 80 85 90 95 100 105 110 115 120  -C.25 -C.2° -C.15 -C.1C -C.	344.6
LESS 4C 60 65 7° 75 80 85 9U 95 100 105 110 115 120 -C.25 -C.12 -C.15 -C.1C C.1C C.1C 1) 1 1 C.15 53 1 1 C.2C 23 C.2C 1 C.3C 1 C.3C 1 C.3C 1 C.3C 1 C.3C 1	
LESS 4C 60 65 7° 75 80 85 9U 95 100 105 110 115 120 -C.25 -C.12 -C.15 -C.1C C.1C C.1C 1) 1 1 C.15 53 1 1 C.2C 23 C.2C 1 C.3C 1 C.3C 1 C.3C 1 C.3C 1 C.3C 1	
LESS 4C 60 65 7° 75 80 85 9U 95 100 105 110 115 120 -C.25 -C.12 -C.15 -C.1C C.1C C.1C 1) 1 1 C.15 53 1 1 C.2C 23 C.2C 1 C.3C 1 C.3C 1 C.3C 1 C.3C 1 C.3C 1	
-C.25 -C.27 -C.15 -G.1C C.1C C.1S C.2C C.3C C.2S C.2S C.2S C.3S C.3S C.3S	
-C.2' -C.1C	SUM
-G.1C C.1C 1) 1 1 C.15 53 1 1 C.2C 23 C.2C 1 C.3C 1 C.3C	1
C.15 53 1 1 C.35 1 C.35	16
C.25 1 C.30 1 C.35	12 55
C.35	23 1
MINS 103/.2 1162.3 853.4 1653.9 99#.3 896.9 883.1 973.6 901.2 553.9 203.8 28.5 9.8 0. 0. 958	109
	589.7
NA PERKS FOR AIRSPIED VS. NX. NY ALTITUDE 4000	
	SUM
-0.20 -0.15	2
-c.ic	3
C.15 SUM 2 1 1 1	5
MINS 12.3 73.1 50.6 92.5 111.2 189.8 295.C 337.1 400.2 239.0 67.7 7.8 7.4 C. 0. 1706	36.8
VA PEAKS FOR ATRISPEED VS LIX BY ALTITUE SUM	
	SUM
-C.25 -C.26	
-0.15 -0.16	1
C-1C 14 3 2 G-15 88 1 1	16
C.2C 37 C.25 3	16 19 90
C.3C 1 C.35	16 19 90 37
SUM 143 4 1 2 4 5 1 1 2 8 1 1 1 2 9 1 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	19 90 37

TABLE LXVI.  $n_{\mathbf{x}}$  PEAKS FOR CYCLIC DEFLECTION VERSUS  $n_{\mathbf{x}}$  BY MISSION SEGMENT, SAMPLE II

АХ	PLAKS	FCR CYC	LIC CFL	ECTN VS	NX PY	MISS.	SEC. AS	CLNT		
	LESS	-4C	-30	-20	-10	10	20	30	40	SUM
-C.20			1	4	1					Ó
-C.10 C.10				5						5
C.15 C.20			2	11	17 12	1				31 16
C.25			i	•	i					2
C.30 Sum			5	23	3 1	1				60
NX	PEAKS	FOR CYC	LIC CFL	ECTN VS	NX PY	MISS.	SEG. CE	SCNT		
. 0. 20	LESS	-4C	-30	-20	-10	10	20	30	40	SUM
-0.2C -0.15			4	3	1					8
-G.1C			1	2	6					9
0.15 0.20			1	12	19	1				32 14
C.25 C.3C				•	1	•				1
0.35				- 20		_				
SUM			6	21	36	1				64
NX	PEAKS	FUR CYC	LIC DFL	ECTN VS	NX PY	MISS.	SEG. ST	ADY		
-0.25	LESS	-4C	-30	-20	-10	10	20	30	40	SUM
-0.25 -0.20					1					1
-0.15 -G.10					4					4
0.10					5 26	1				5 27
C-2C					7	•				7
0.25 C.30					i					1
SUM					44	1				45
NX	PEAKS	FOR CYC	LIC CFL	ECTN VS	NX PY	MISS.	SEG.	SUM		
-0.25	LESS	-40	-30	-20	-10	16	2 C	30	40	SUM
-0.25 -C.20					1					1
-C.15			5	7	٤					18
0.1C 0.15			1 3	7 23	11 62	2				19 90
G.20			1	7	28	2				37
0.25 C.30			1		2					3 1
C.35										

# TABLE LXVII. $n_y$ PEAKS FOR AIRSPEED VERSUS $n_y$ BY WEIGHT, SAMPLE II

	NY LeSS	FEAKS F	5CR AL	₽S₽€ED 	VS NY		EIGHI O9	210CO a*	. 40	95	100		•••			
-0.20 -0.15	دعع	1	3(1	65	70	15	***	4.	90	45	100	105	110	115	1 20	SUM 4
-C.1C	1	•					?	2	1	1						10
0.15	_						·	-	_	ī						ì
MUZ PINS	5u.9	26.1	7.3	9.6	14+3	17.3	25.6	34.4			14.8	1.8	0.	c.	α.	260.7
		PEAKS F		RSPEED	VS NY			23000								
-0.25	LESS	40	63	65	70	75	EO.	85	90	95	100	105	110	115	120	
-C.2C -C.15 -C.1C	•	10	7	•	ŧ	7	1	1	3	3						50
C.1C C.15 C.2C	14 3			2		1	ı	5 1		•		1				30 4 1
SN14 5.14 5.14	327.2	172.2	73.3	97.1	120.5	206.7	332.2	432.4		262.6	80.0	14.4	2.7	0.	0.	86 2562.5
	MA	FEAKS F	n Alm	SFEED	VS NY	BY WE	IGHT 2	5600								
-0.20	LESS	4C	60	65	70	75	80	25	90	95	100	105	110	115	1 20	SUM
-C.15	7	4	3	4	4	7	ė.	7		4	1					48
C.1C	5	1	1			•	1	5	5	1 5	1	1				32 90
SUM PENS	470.7	200.6	94.6	129.5	109.5	345.7	497.7	544.3	534.1	323.4	106.4	15.3	0.3	0.	0.	3452.0
	w	FEAKS FO	AIR B	SFEEC '	VS NY	BY WE	IGHT 21	1000								
	LESS	40	63	65	70	75	80	85	90	45	100	105	110	115	120	SUM
-C.25							1									1
-0.15 -0.10	2	1		1		1	1	3	•	1	(4)					18
C.1C C.15 SUM	5	1		1	:	1	3	1	3	1 2						13
PIVS	126.8	63.2	3+.3	62.0	53.	80.4	140.2	196.5	236.5	159.8	62.6	3.4	0.5	0 • 2	0.	1225.4
		FEAKS FL 4j	R ATR:	65 65	70	87 WE1	FC FCH, Sc	1000 65	90	95	160	105				e
-0.20 -0.15	LeSS		80	• • •	:	7 2		5.7	70	1	100	10:	110	115	120	SU4 2
-C.1L SUM										1						2
2414	40.3	5.4	5.5	5.1	7.0	7.5	4.5	14.1	54.4		11.1	0.5	0.	c.	с.	187.6
									\$ .							
	NY I	EAKS FL	P AIRS	FEEC V	/5 NY	BY WE I	GHT 31	000								
-0.20	Less	40	5 C	6 5	70	75	23	# E	96	95	100	105	110	115	120	Sum
-C.15		1														1
MIA2	64.4	28.2	¿J.6	3.1	4.4	8.2	1.6	0.5	C - 1	0.	١.	0.	c.	0.	0.	139.7

### TABLE LXVII - Concluded

	NY	FEAKS !	FOR AT	RSPEED	VS NY	84 W	EIGHT	33000								
	Less	40	60	6!	70	75		85	•0	75	100	105	110	115	120	SUM
-0.19 -0.10	1															1
C.1C C.15	1															1
SUM MINS	51.5	39.9	7.4	23.4	37.6	21.0	7.1	1.3	C.1	0.	0.	٥.	0.	٥.	0.	189.7
	NY		GR AT		VS NY	87 WE		5000								
	Le\$\$	46	60	65	70	75	80	85	90	95	100	105	110	115	120	SUM
-C.25	,		7.0	•		1		27								1
-C.15	1				•		ì									•
0.15	•															
SUM MENS	41.9	46.3	29.1	57.4	49.1	24.6	6.5	2.9	C.3	0.	0.	0.	0.	0.	٥.	260.5
			2 5													
		PEAKS FO			VS NY			000 05	90	95	160	105	110	115	120	SUM
-C.25	LESS	4C	<b>60</b>	65	70	75	<b>●</b> C	•,	***	*,	100	.07		•••		1
-0.19 -C.10		5	i				2	1								12
0.10	•	1	1	1												9
SUM	55.2	45.9	64.3	86.7	03.1	54.0	23.5	24.0	10.4	3-2	٥.	0.	0.	0.	0.	22 510.6
	NY	FEAKS F		išPt.	VS NY		IGHT 3	7000								
-0.20	Less	4C	•9	65	70	75	80	85	•0	45	100	105	110	115	120	SUM
-0.15 -0.10	2	3		1		_										6
0.10 0.15 0.20	2	2				1										11
SUM	92.3	104.5	136.4	102.9	152.7	89.3	34.2	13.3	5.2	0.	0.	•				19
		•					,,,,,		***	٠.	٠.	0.	0.	0.	о.	871.9
		FEAKS F		SPEED	VS NY			8000								
-6.25	LESS	46	40	65	70	75	•(	05	40	45	100	105	110	115	120	SUM
-C.2C -0.15 -C.1C	3	1	2	3	ì	1										12
C.1C	13	1		•												14
SUM	16	171.0	147.5	153.2	167.7	98.4	36.1	24.1	1.0	0.	0.	0.	0.	0.	0.	908.9
		FEAKS FO	AIR	SPEED	VS NY	BY ME	IGNT 3	9000								
-c.20	LESS	4¢	63	45	70	75	• C	65	•0	45	100	105	110	115	120	SU™ .
-0.15 -0.10 0.10	12	1	3	1	l Ž	1										7
C.15	2	•	•		•											18
SUM	15	154.7	154.5	174.1	150.6	84.9	42.4	22.4	0.	o.	0.	0.	0.	0.	0.	27 868.A
		FEAKS F							••	••	••	••	••	••	••	00011
	LESS	PEARS P	60 60	ISPEED 45	VS NY	75	1GHT 4	3000 85	90	95	100	105	110	115	123	SUM
-C.2C	4	10	3	4	1	1			**		.00	.03		** 3	,	23
-C.16	33	4	2	•	•	•										39
0.1C 0.15 0.2C	1															1
0.25 SUM	38	14			107.3	60.8			_	_		_	_			63
PINS	145.1	241.4	170.5	178.3	107.3	60.8	37.0	10.0	1.0	0.	0.	0.	0.	0.	0.	987.7

# TABLE LXVIII. n<sub>y</sub> PEAKS FOR AIRSPEED VERSUS n<sub>y</sub> BY ALTITUDE, SAMPLE II

	47 PE	PRS FLI	AIRS	PFED VS	NY B	. ALT	TUDE	LESS								
-6.26	4.55	40	50	65	70	15		85	90	•5	160	105	110	115	120	504
-0.15	1	1														2
-0.10 C.10	6					1										7
C.15 SUM	7	1				1										•
*[45	64.6	9.5	4	0.6	2.4	2.3	2.1	0.9	C.7	0.1	0.1	٥.	0.	0.	٥.	79.8
	17 PI	EAKS FOI	AIRS	PEEC VS	NY 8	Y ALTI	1000	1000								
	Luss	40	63	65	70	75	60		• • • •	95	100	105	110	115	120	SUM
-C.2C	,	3	1	2	1	2	-	1				•••		•••	•••	15
-0.1C	27	1	•	-	·	1		-	•	-						29
C.15	30		į,	2	1	•		1	ı	1						44
#[45	535.7	145.4	4_+3	35.7	33.	30.6	22.6	14.8			1.3	1.2	0.3	0.2	0.	849.6
	NY PE	aks FCR	AIRSP	EED VS	NY SY	ALTI		2000								
-C.25	LESS	40	<b>⊕</b> 0	65	70	79	80	#5	90	•5	100	105	110	115	120	SU4
-0.2C	23	32	21	15	17	14	13	11	7		3					164
-0.10	69	10	6	2	,	4	12	13	7	•	2	2				137
C.2C	7							1		1						2
0.25 SUM	101	42	29	17	2 '	19	26	25	14	15	5	2				317
MIAS	1367.2	1162.3	850.4	1053.9	499. :	846.9	48:.1	773.6	901.2	553.9	203.8	28.5	2.8	0.	). Y	544.7
	NY PE	IKS FLR	AIRSPI	EEC VS	NY BY	AL TIT	uo.	5000								
	Less	40	53	65	7-	75	*0	95	90	95	100	105	110	115	120	SUM
-0.2C		i	•••	à	1	1	1		•		• • • •	•••				7
-C.1C		•		1	,	;	1		•	1	1					10
C.15 SUM		- 1		,	П,	,	_ ;			į	1					17
P145	11.3	43.1	51.6	92.5	:11.	14.6	29 (	337.1	400.2	234.0	67.7	7 . A	2.4	٥.	0. 1	906.
		KS FCP			NA 4A	ALTIT		SUM.								
-C.25	LeSS	◆C	50	٠,٠	7.	75	٠,	H.	91	95	700	104	110	115	120	SUM
-C.2C	27	37	/2	17	15	17	16	12		¥	3					188
-0.10 0.10	102	1:	•	3			14	. 3	11	?	,	2				183
C.2C	7							ı		1						5
C . 7 -		4.4	27	41	.43 11	iŧ	32	26	14	17	6	. 2				3#7
MI 42 L	J: • 1	4 1 3 4 6	494.7 1	197.6 1.	.43.1 11	79,7 1	20.•0 f	326.4 4		794.1	274.9	37.5	3,5	C.2	C. 124	25,9

TABLE LXIX.  $n_y$  PEAKS FOR CYCLIC DEFLECTION VERSUS  $n_y$  BY MISSION SEGMENT, SAMPLE II

-0.25 -0.25 -0.26 -0.15 -0.15 -0.16 -0.16 -0.15 -0.16 -0.15 -0.17 -0.15 -0.17 -0.15 -0.16 -0.16 -0.17 -0.15 -0.17 -0.15 -0.17 -0.15 -0.16 -0.16 -0.16 -0.17 -0.15 -0.17 -0.15 -0.17 -0.15 -0.17 -0.15 -0.17 -0.15 -0.16 -0.16 -0.26 -0.26 -0.15 -0.16 -0.16 -0.16 -0.16 -0.16 -0.16 -0.16 -0.16 -0.16 -0.16 -0.16 -0.17 -0.18 -0.19 -0.26 -0.26 -0.15 -0.16 -0.16 -0.16 -0.16 -0.16 -0.16 -0.15 -0.16 -0.17 -0.18 -0.18 -0.19 -0.10 -0.10 -0.11 -0.11 -0.11 -0.11 -0.11 -0.12 -0.12 -0.12 -0.15 -0.16 -0.16 -0.16 -0.16 -0.16 -0.16 -0.17 -0.18 -0.18 -0.18 -0.19 -0.29 -0.29 -0.19 -0.29 -0.19 -0.29 -0.19 -0.29 -0.19 -0.29 -0.19 -0.10 -0.10 -0.29 -0.29 -0.10 -0.10 -0.20 -0.20 -0.11 -0.11 -0.11 -0.11 -0.11 -0.11 -0.11 -0.11 -0.11 -0.11 -0.12 -0.12 -0.12 -0.13 -0.16 -0.16 -0.16 -0.16 -0.16 -0.16 -0.16 -0.16 -0.16 -0.17 -0.17 -0.18 -0.18 -0.18 -0.19 -0.29 -0.29 -0.19 -0.19 -0.29 -0.19 -0.29 -0.19 -0.10 -0.10 -0.11 -0.11 -0.11 -0.11 -0.11 -0.11 -0.12 -0.12 -0.12 -0.13 -0.16 -0.16 -0.16 -0.16 -0.16 -0.16 -0.17 -0.17 -0.18 -0.18 -0.18 -0.18 -0.19 -0.29 -0.29 -0.19 -0.29 -0.19 -0.29 -0.19 -0.29 -0.19 -0.29 -0.19 -0.29 -0.19 -0.29 -0.19 -0.29 -0.19 -0.29 -0.19 -0.29 -0.19 -0.29 -0.19 -0.29 -0.19 -0.29 -0.29 -0.19 -0.29 -0.29 -0.19 -0.29 -0.29 -0.19 -0.29 -0.29 -0.19 -0.29	YY	PEAKS	FCR CYC	LIC CFL	ECTN VS	NA bA	MISS.	SFG. ASCI	ENT		
-C.2C	-0.35	LESS	-4C	-30	-20	-10	10	20	30	4 C	SIJM
C-1C	-C.2C -0.15		2			5					
SUM 2 49 63 29 1 144  NY PEAKS FOR CYCLIC DELECTN VS NY "Y SISS. SEG. MANUVR  LESS -4C -30 -20 -10 1C 2C 50 4C SUM  -0.2C 1 1 2 3C.1C 4 4 4 6. 0.15 5 1 6 77  NY PEAKS FOR CYCLIC DELECTN VS NY PY MISS. SEG. DESCNT  LESS -4C -30 -20 -10 10 20 30 40 SUM  -0.2E 1 1 4 35 37 83 -0.1E 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	C.1C			11	19	23		1			54
LESS -4C -30 -20 -10 10 2C 30 4C SUM  -0.2C -C.15			2	49	63	29		1			144
-0.2C	<b>NY</b>	PEAKS	FOR CYC	CLIC CFL	ECTN VS	MA UA	etss.	SEG. MANU	JVR		
-C.15	-0.20	LESS	-4C	-30	-20	-10	10	30	0 ز	4 C	SUM
C.1C 0.15 SUM 1 6 7  NY PEAKS FUR CYCLIC DELECTN VS NY RY MISS. SEG. DESCNT  LESS -40 -30 -20 -10 10 20 30 40 SUM -0.2C -0.15 1 14 35 37 83 -0.1C 0.1C 8 25 33 3 69 0.15 0 1 1 1 1 1 3 3 0.2C SUM 1 22 61 69 4 156  NY PEAKS FUR CYCLIC DELECTN VS NY RY MISS. SEG. STEADY  LESS -40 -30 -20 -10 10 20 30 40 SUM -0.1C 0.1C 55 1 56 0.20 2 2 2 1 56 0.20 3 50 40 SUM  NY PEAKS FOR CYCLIC DELECTN VS NY RY MISS. SEG. SUM  LESS -40 -30 -20 -10 10 20 30 40 SUM -0.25 SUM 79 1 60  NY PEAKS FOR CYCLIC DELECTN VS NY RY MISS. SEG. SUM  LESS -40 -30 -20 -10 10 20 30 40 SUM -0.25 -0.15 5 1 56 0.20 2 2 5 5 5 1 56 0.20 3 5 5 1 56 0.20 5 5 5 1 56 0.20 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	-C.15			1	2						3
NY PEAKS FOR CYCLIC EFLECTN VS NY PY MISS. SEG. DESCNT  LESS -40 -30 -20 -10 10 20 30 40 SUM -0.25	C.1C				4						
LESS	SUM			1	6						7
-C.25 -0.2C	NY		FOR CYC	LIC CFL	CTN VS	NY PY I	tiss. s	EG. DESC	NT		
-0.15		LESS	-4C	-30	-20	-10	10	20	30	40	SUM
0.1C 8 25 33 3 3 69 0.1S 1 1 1 1 1 3 3 0.2C SUM 1 22 61 69 4 156  NY PEAKS FUR CYCLIC CFLECTN VS NY RY HISS. SEG. STEADY  LESS -4C -30 -20 -10 10 2C 30 40 SUM -C.2C -0.1S 16 16 16 -0.1C 55 1 56 0.20 2 2 2 2 2 2 2 1 5 5 -0.1S 3 51 79 55 188 -0.1C 2 2 2 1 5 5 -0.1C 2 2 2 1 5 5 -0.1C 3 51 79 55 188 -0.1C 2 2 2 1 79 55 188 -0.1C 2 3 51 79 55 188 -0.1C 2 48 111 4 1 183 0.1S 1 7 1 9 9	-0.15		1	14	35	_					
0.2C SUM 1 22 61 69 4 156  NY PEAKS FUR CYCLIC CFLECIN VS NY RY MISS. SEG. STEADY  LESS -4C -30 -20 -10 10 2C 30 40 SUM  -C.2C -0.15 16 16 -0.1C 55 1 56 C.15 6 6 6 0.20 2 2 2 2 2 6 -0.25 SUM 79 1 80  NY PEAKS FOR CYCLIC CFLECTN VS NY RY MISS. SEG. SUM  LESS -40 -30 -20 -1C 10 20 30 40 SUM  -0.25 -0.15 2 51 79 55 188 -0.1C 19 48 111 4 1 183 0.15 0.20 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0.1C			8							
NY PEAKS FUR CYCLIC CFLECTN VS NY RY MISS. SEG. STEADY  LESS -4c -30 -20 -10 10 20 30 40 SUM -C.2C -0.15	0.20			22	_		4				_
-C.2C											150
-C.2C -0.15	NY										· -
-0.1C 0.1C 0.1C 0.1S 6 0.20 C.25 SUM 79 1 60  NY PEAKS FOR CYCLIC EFLECTN VS NY PY MISS. SEG. SUM  LESS -40 -30 -20 -1C 10 20 30 40 SUM  -0.2S -C.2C 2 2 1 5 -0.15 3 51 79 55 188 -0.1C C.1C 19 48 111 4 1 183 0.15 1 7 1 9 0.20		LESS	-43	-30	-20		10	2C	30	40	
C.15 G.20 C.25 SUM  79 1  60  NY **EAKS FOR CYCLIC CFLECTN VS NY PY MISS. SEG. SUM  LESS -40 -30 -20 -1C 10 20 30 40 SUM  -0.25 -C.2C 2 2 1 5  -C.15 3 51 79 55 188  -0.1C 19 48 111 4 1 183  0.15 19 48 111 4 1 9  0.20	-0.1C										
C.25 SUM  79 1  NY FEAKS FOR CYCLIC CFLECTN VS NY BY MISS. SEG. SUM  LESS -40 -30 -20 -1C 10 20 30 40 SUM  -0.25 -C.2C 2 2 1 5 -0.15 3 51 79 55 188 -0.1C 19 48 111 4 1 183 0.15 17 1 9 0.20 2 2	C.15					6	1				6
NY FEAKS FOR CYCLIC CFLECTN VS NY PY MISS. SEG. SUM  LESS -40 -30 -20 -10 10 20 30 40 SUM  -0.25 -0.25 -0.20 2 2 1 5 -0.15 3 51 79 55 188 -0.10 -0.10 19 48 111 4 1 183 -0.15 1 7 1 9 -0.20 2 2	C.25						1				
LESS -40 -30 -20 -1C 10 20 30 40 SUM -0.25 -C.2C 2 2 1 5 -0.15 3 51 79 55 188 -0.1C 19 48 111 4 1 183 0.15 1 7 1 9 0.20											
-0.25 -C.2C	NY										
-0.15 3 51 79 55 188 -0.1C 19 48 111 4 1 183 0.15 1 7 1 9 0.20 2		LESS	-40				10	20	30	40	
C.1C 19 48 111 4 1 183 0.15 1 7 1 9 0.20 2	-0.15		3								
	0.10 0.15			19		7		1			9
SUM 3 72 130 176 5 1 387	0.25		3	72	130		5	1			

### TABLE LXX. $n_{\mathbf{x}}$ PEAKS FOR $n_{\mathbf{x}}$ VERSUS $n_{\mathbf{z}}$ , SAMPLE II

			MI	PEAKS	FOR N	X A2	MZ									
1.3	Less	-0.40	-0.35	-0.30	-0.29	-3.20	-0.19	-0.10	0.10	0.15	0.20	0.25	0.30	0.35	0.40	SUM
0.6 C.7 C.6						1	11		19	1	37	3	1			100
C. 6										1						1
SUM						1	10		19	90	37	3	1			149

### TABLE LXXI. $n_{\mathbf{x}}$ PEAKS FOR $n_{\mathbf{y}}$ VERSUS $n_{\mathbf{x}}$ , SAMPLE II

			N.X	PEAKS	FOR A	17 VS	NX									
	LESS	-0.40	-0.35	-0.30	-0.2	-0.20	-0.15	-0.10	0.10	0.15	0.20	0.25	0.30	0.35	0.40	SUM
-C.25								1								1
-C.15								1.0								16
0.10								19								19
C.25							1	89 37								90
0.25								3								3
0.35								•								
SUM							1	140								169

### TABLE LXXII. $n_y$ PEAKS FOR $n_x$ VERSUS $n_y$ , SAMPLE II

### TABLE LXXIII. $n_y$ PEAKS FOR $n_y$ VERSUS $n_z$ , SAMPLE II

			NY	PEAKS	FOR 4	v vs	MZ									
	LESS	-0.40	-0.35	-0.30	-0.24	-0.20	-0.15	-0.10	0.10	0.15	0.20	0.25	0.30	0.35	0.40	SUM
1.4							1									1
1.3 1.2 C.8 C.7						1	185		174	4	2					3 378
C. 7									4							4
C. 6									l.							1
C.4						9	106		183	•	2					387

### TABLE LXXIV. $n_z$ PEAKS FOR $n_x$ VERSUS $n_z$ , SAMPLE II

		NZ	MANEUVE	R PEAKS	POR	MK V	5 42									
	LESS	-0.40	-0.35	-0.30	-0.25	-0.2	0 -0.15	-0.10	0.10	0.15	0.20	0.25	0.30	0.35	0.40	SUM
.;										1						1
. 5										Z	1					3
. 3								7	**	- 1	1					16
. 2								167	42	•0	•					293
. 7							1	133	13	17						164
. 9								1		i						2
1							•	314	4.3	111	7					400

## TABLE LXXV. $n_z$ PEAKS FOR $n_y$ VERSUS $n_z$ , SAMPLE II

		NZ.	MANEUVE	R PEAKS	FOR	MY VS	MZ				•			3		
	LESS	-0.40	-0.35	-0.30	-0.25	-0.20	-0.15	-0.10	0.10	0.15	0.20	0.25	0.30	0.35	0.40	SUM
1.7								1								1
1.5								3								3
1.3								10								1.4
1.2							1	292								293
C.7								163	1							144
1.8 1.7 1.4 1.3 1.2 0.8 C.7 G.6 0.5 G.4 SUM								i	1							5
SUM							1	495	2							495

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During a structural flight loads program of	n six CH-54	A helicop!	ers operating in the
Vietnam theater, 1048 hours of 11-channel			
1968 and February 1970. To study the ade			
as to derive appropriate environmental loa			
representing 204 hours and the second 207			
according to four distinct flight phases, te			
ascent; (2) maneuver; (3) descent, flare, a	nd landing;	and (4) ste	eady state. Data are
presented in the form of time and occurren	nce tables, h	istogram	s, and exceedance

curves. These data indicate the time spent in the mission segments and parameter ranges; the number of peak parameter values occurring in the ranges of the given parameter, during each of the mission segments, and in the ranges of one or more related parameters; and the time to reach or exceed given maneuver and gust normal load factors. The analysis of the two sets of data presentations revealed that the two samples differed little and compared closely in their distribution of the flight data.

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